APPENDIX A3
Applicable Field Notes and Forms
(2019-2020 Investigation)



Public Review Draft 3/18/17 lebeter bothes we do have: 33 presv. voces 1x 1L presu HCI amber 25x IL nonpresv. combes Well be doing taking water samples from 11 wells part week plus one duplicate, 50 this this week. Field Notes - MMB well development 3/18/19 0745-artive another 0820 - I team from Holt arrives 0820 - I go over what needs to be done what team, give them my maps K 0900 - Vecerre 5/te go beach to HC to Prep samples for lab 1300 - take coolers of gemples to AAL + Onsite Val reeds: 1 x 1L amber (better of preserved) > Val will get 2x 40mL voa (presv. voæs) -> we have enagh - 10 Val sours to loting back the non-press.

ambers and hell have them press on

us for another (or send the project.

(Unless we'll be taking gw samples for

PAHs - those need to be nonpress.) -Scale: 1 square = Rito: HOR:

Public Review Draft 3/15/19 MMB 1940901 - Well development lache site 1430 HMW21B Zpopped very well HMW2DJ2 pumped slowly-dried up, welted to be HMWI-shallow=dirtiest HMWI-deeper=clearer lolearest HMW3A-dries out, has to recharge Done (0 = 0 = 1440): HMW-15, HMW-10, HMW-11B HMW-21A, HMW-20, HMW-21B Working on (as of 1440): HMW-23, HMW-31A Remaining (as of 1440): HMW-30, HMW-HIA, DMW-IS Only 2 downs left (as of 1440): HMW-41A - pumped very well. 55 gallons HMW-3D-pumped slowly, hept drying up; HMW-31A-proped slowly, hept drying up.
Holt Finishes up of 1715
Leone site @ 1730 One More well to develope: DMW-15 Scale: 1 square =___



HARTCROWSER Groundwater Sampling Data - Well I.D. HWW-ID

| | WELL LOCA | TION DESC | C. (for new wel | ls) Fact | st si | <u>de</u> c | A AC | MB | | | |
|---------|---|--------------|------------------|--------------|------------------|--|--------------------------|-------------|--------------------|--|----------|
| | • = | W of E corne | er of building A | 4) | · | DATE | | 101 50 | 3/20/19 | KACI | |
| | PROJECT JOB NO. | 1946 | 0901 | | | - | E/TIME SAN LLY INFLUE | | YES NO | 1300 | |
| | PROJECT M | <u> </u> | | enser | ` | _ | DEPTH IN | | 90' | | |
| | FIELD REPS | | ier + | Shali | jan | SCRE | EENED INT | ERVAL IN F | - O. | <u> </u> | |
| 1 | Purging [| Data/Field | d Measuren | nents: All M |) 'easurement | – s Relativ | e to Top of | Casing (TO | C) | | |
| | WELL DEPT | Ή | 901 | | | CASI | NG VOLUM | IE IN GALLO | ons 11.59 | 27 | |
| | DEPTH TO S | SEDIMENT | (DTS) IN FEE | T 91.1 | 11 | _ _ [2' | ft] | | | | |
| | DEPTH TO V | - 1 | 43 | 20. | 33 ` | _ PURC | | | | | |
| | (DTS – DTW | 71 | .061 | | | ACTUAL PURGE IN GALLONS 2.5 | | | | | |
| | No. of Gallons Time Purged pH in °C in MS in in 1.51 0.3 6.96 14.6 696 V | | | | | | Turbidity | ORP, in MV | sheen, | , recovery, color, odo , accumulated silt/san | d |
| | 1153 | 1 | 7071 | 11 9 6 | 417 2 | \.\ </th <th>101</th> <th>- 57</th> <th>5. claude</th> <th>100000</th> <th>Y) NS</th> | 101 | - 57 | 5. claude | 100000 | Y) NS |
| | 1153 7.07 14.9 680 2 1154 1.5 7.08 14.8 686 2. 1155 2 7.07 14.9 695 2 | | | | 11 | 713 | -58 | > 010000 | 089, NO. NS | | |
| | | | | | | 52 | -73 | 5.2000 | A)O 4 k | | |
| sample: | 1250 | | X V V | 0 65 | 1 | | 9,109,10 | | | | |
| | : [7200] | | | | | | | | _ | | |
| | Comments | • | | | | | | | | | _ |
| | : | - | | Pumping Ra | ate Depth | of | ¬ " | oils dry? | Yes | X | |
| | | Method | | in GPM | Equip | . in Feet | No | _ | | | |
| | Purge | 500 | Pump | 0.2 | 8 | 51 | je | | | | |
| | Sample | | 10 | 1,1 | , | \ | te | _ | | | |
| (2) | Sampling | Data | | | | | - | | | | =0 =0 |
| _ | | # of | | | | | | Total n | umber of Bottles | 3 | |
| | Bottle Type | | iners Analys | es H - | Pr | eserv. | Filter | | | | |
| | Voa | | , V | 04 | | Y | - Ci | | • | | |
| | | | | | | | 1 | | lank I.D. | | |
| | | | | | | | | Kinsea | te Sample I.D. | | |
| (3) | Field Equ | ipment | | | | T | ype/Bran | nd/Serial I | No./Material Units | S | |
| | Pump Type | e/Tubing Ty | ype Pro | ective | 45/PE | <u>-</u> To | emp/pH/E. | .C. meter | YSDA | 70 DSS | _ |
| | Bailer Type | | | | | | Water Level Probe 50005t | | | | |
| | Filter Type | _ | | | | Other | | | | | |
| 4 | Well Con | ditions | ОК | No. | t OK | Explain | | | | | _ |



HARTCROWSER Groundwater Sampling Data - Well I.D. HAW-IIB

| | WELL LOCA | | | rells) | ust. | side | 120 | MB | | | | |
|--|------------------|-------------------|----------------|---------------|------------|---------------|---|--------------------------|--|----------|--|--|
| | (e.g., 20' N | W of E come | er of building | (A) | | D.4. | | ADI ED | 3120119 | 113 | 14 | |
| | PROJECT | 1940 | 901 | | | | TE/TIME SAN ALLY INFLUI | - | 01 | | ~ 6 | |
| | JOB NO. | LITTO | .D | Too | (0.0 | | | | 45.48 | NO | | |
| | PROJECT M | | hoy | Jen | sev i | | LL DEPTH IN | | | - (- H = | - 1 | |
| \sim | FIELD REPS | · <u>VO</u> | 3100 | ADAL | a ju | er Sci | KEENED IN I | ERVAL IN F | EET <u>54.3</u> | 6-1. | <u>></u> | |
| (1) | Purging D | | | | All Measur | rements Rela | live to Top of | Casing (TO | C) | _ | | |
| | WELL DEPT | н | 5.45 | | 05 | CAS | SING VOLUM | ME IN GALLO | ons 7.5 | <u> </u> | | |
| | DEPTH TO S | | | | 773 | -3- | [2" diam = x .163 gal/ft 4" diam = x .653 gal/ft] PURGE VOLUME IN GALLONS ACTUAL PURGE IN GALLONS | | | | | |
| | DEPTH TO V | 11/ | W) IN FEET | 19. | 744 | | | | | | | |
| | (DTS - DTW |) <u>/</u> | 2 | | | AC1 | | | | | | |
| | | No. of | | | | Diss. | T | | | | | |
| | Time | Gallons Purged | pН | Temp in °C | in usla | | Turbidity | in MV | | | ery, color, odor, nulated silt/sand | |
| | 1121 | 0.2 | 7,07 | 144 | 600 | (5,2 | 60 | 47 | dadu | NO. | 115 | |
| | 1124 1 7.07 14,1 | | | | | -3. | 1/2 | NOI | 15 | | | |
| | | | | | | - j u | 60 | -57 | darky NONS | | | |
| | 1120 0 1111 111 | | | | 603 | | 160 | 2 | aug | 1100 | <u> </u> | |
| sample: | 1128 | Ч | - | | | | | | | | | |
| | Comments | : _ | | | | | | | | | | |
| | | | F | | | | | | | | | |
| | | | | Pumpin | n Pate | Depth of | | oilo da 2 | Von | | | |
| | | Method | | in GPM | | Equip. in Fee | | oils dry? At no. of (| Yes No of casing volumes er Disposal Method/Volume | | | |
| | Purge | SUB. P | gmo | D. | 2 | 60' | | | | | | |
| | Sample | V | | | | ((| 1 1 | rums | | | | |
| _ | | | | | | | | | | | | |
| (2) | Sampling | Data | | | | | - | | | | | |
| | | # of | | | | | | Total n | umber of Bottles | 3 | | |
| | Bottle Type | | ners Anal | yses | | Preserv. | Filter | | | | | |
| | voca | 2 | 16 | OCS . | | + 3 | | Duplica | ate Sample I.D. | | | |
| | 1000 | | <u></u> | <u> </u> | | | 1.0 | Field B | lank I.D. | | | |
| | | | | | | | | Rinsea | te Sample I.D. | | | |
| Type/Brand/Serial No./Material Units | | | | | | | | | | | | |
| Pump Type/Tubing Type Proactive 55/PE Temp/pH/E.C. meter YSD Pro DSS | | | | | | | | | K < | | | |
| | Bailer Type | | he | -COL IV | | 1 | ⊤emp/p⊓/⊏ Water Leve | | LANTO | 12 th | | |
| | | | | | | | | | - DVII | 10 1 | | |
| \sim | Filter Type | - | | | | | | | | | | |
| (4) | Well Con | ditions | C | к 💹 | Not OK | Explai | n | | | | | |

HARTCROWSER Groundwater Sampling Data - Well I.D. HMW-IS

| | | | C. (for new wel | | esest- | side | of KI | 4B | | | |
|-------|--------------------------|-----------------------------|----------------------|----------------|--------------------------------|-------------------------|-------------------------|--------------------|---|---------|--|
| | (e.g., 20' NI PROJECT | W of E corn | er of building A | 4) | | DATE/TIME SA | MDIED ' | 3/20/19 | 1320 | | |
| | JOB NO. | 1941 | 1901 | | | TIDALLY INFLI | - | | NO X | | |
| | PROJECT M | 1ANAGER | Pour | Tensor | | WELL DEPTH | | 30.2 | 1 | | |
| | FIELD REPS | W — | er + | Shaline | • | | TERVAL IN F | 2.0 | 301 | | |
| 1 | | | d Measuren | nents: All Mea | | elative to Top | of Casing (TOC | D) | | | |
| | WELL DEPT | н { | 30.21 | | | CASING VOLL | JME IN GALLO | ons <u>2.00</u> | \ | | |
| | DEPTH TO S | SEDIMENT | (DTS) IN FEE | 7 246.41 | Rt. | [2" diam = x | .163 gal/ft | 4" diam = x .653 g | gal/ft] | | |
| | DEPTH TO \ | WATER (D | ΓW) IN FEET | 16-11-7 | + | PURGE VOLU | ME IN GALLO | | , | | |
| | (DTS - DTW | 1) 12 | .3 | | | ACTUAL PURGE IN GALLONS | | | | | |
| | Time | No. of Gallons Purged | рН | | Dis duct Oxyo Sign in ol | gen | ORP in MV | Comments: qua | ality, recovery, color, een, accumulated sil | odor, | |
| | 1313 | 1_ | 6.30 | 14.6 49 | 636. | 1 168 | 10 | turbid. | NO. NS | | |
| | 1314 | 1.3 | 6.3 | 4.5 49 | 5 4. | 3 115 | | turbid. | NO NS | | |
| | 1315 | 1,5 | 6,33 | 4.4 49 | 14 3, | 4 124 | 5 -64 | turbia | , DO'NK | | |
| | | | | | | | | | | | |
| mple: | (320 | | | | | | | Clever | | | |
| | Comments | : : | | | | | | | | | |
| | | • | | | | | | | | | |
| | | | | Pumping Rate | e Depth of | | Poile dm/2 | Yes | No X | , | |
| | | Method | | in GPM | Equip. in | | Boils dry? At no. of o | casing volumes | | | |
| | Purge | 500.P | unp | 0.2 | 25 | | | Disposal Method/Vo | | _ | |
| | Sample | | N. | 11 | 10 | | drums | en 5/1- | عـــــــــــــــــــــــــــــــــــــ | | |
| (2) |) Sampling | g Data | | | | - | | | | | |
| | | # of | | | | | Total no | umber of Bottles | 5 | | |
| | Bottle Type | | ainers Analys | ses | Pres | erv. Filter | _ | | | | |
| | -Voa | . 2 | 170 |)(4 | 1 | W W | Duplica | ate Sample I.D. | | | |
| | poly | | Me | stals | 1 | N | | lank I.D. | | _ | |
| | pory | , 1 | T | 55 | 1 | 0 0 | Rinsea | te Sample I.D. | | _ | |
| (3) | Field Equ | uipment | | | | Type/Br | and/Serial I | No./Material Ui | nits | | |
| | Pump Type | e/Tuhina T | ype Prog | Arres | 51 PF | Temn/nH | /E.C. meter | YSI | Pro Nes | ~ | |
| | Bailer Type | | ype <u>\{\alpha\</u> | | 111 | Water Lev | | 45/1/2 | st st | <u></u> | |
| | Filter Type | | | | | Other | VCIT TODE | | | : 0 : | |
| 4 | Well Con | | Or | Not (| ок <u> </u> | oution _ | | | | | |
| | | | | l . | | | | | | | |



| HARTCROWSER | Cuarindenstan | Committee Date | INCHED WALL OF |
|-------------|---------------|----------------|-----------------------|
| | Groundwater | Samping Data | - Mell I'D' Well & I' |

| | WELL LOCATION DESC. (for new wells) | of MMB, ~2509+ From Pay + 9 |
|-------|---|---|
| | (e.g., 20' NW of E corner of building A) | 7/10/19 1/2/ |
| | PROJECT MAIN | DATE/TIME SAMPLED 3/17/1/ 1685 |
| | JOB NO. 1990701 | TIDALLY INFLUENCED YES NO |
| | PROJECT MANAGER JENSEN | WELL DEPTH IN FEET 90 |
| _ | FIELD REPS DOERN Short 19n | SCREENED INTERVAL IN FEET 77-69 |
| 1 | Purging Data/Field Measurements: All Measurements | Relative to Top of Casing (TOC) |
| | WELL DEPTH 90' | CASING VOLUME IN GALLONS 10.65 |
| | DEPTH TO SEDIMENT (DTS) IN FEET 49.65 | [2" diam = x .163 gal/ft 4" diam = x .653 gal/ft] |
| | DEPTH TO WATER (DTW) IN FEET 27,96 | PURGE VOLUME IN GALLONS |
| | (DTS-DTW) 61.6+ | ACTUAL PURGE IN GALLONS |
| | No. of | Diss. |
| | Gallons Temp Conduct Ox | kygen ORP Comments: quality, recovery, color, odor, |
| | Time Purged pH in °C /in uslon in | Turbidity in NV sheen, accumulated silt/sand |
| | 1627 20 7,97 6,9 2,725 | 9 - 910,8Cloudy, NS, NO |
| | 1630 3 +.65 15.4 242.5 2 | |
| | 1631 3.5 +.71 15.4 292.6 2 | - 1957,8 Chear, NS, NO |
| | 1632 4 7.75 15.4 292.41. | 94673 clear, N5, NO |
| ample | 1635 5 | |
| | Comments: | |
| | | |
| | | |
| | Pumping Rate Depth of in GPM Equip. | in Feet |
| | Purge SUB. PMP 022 45 | At no. of casing volumes |
| | Turge 700 OT | Purge Water Disposal Method/Volume |
| | Sample | aturns on site |
| (2 | Sampling Data | |
| | Jamping Data | |
| | # of | Total number of Bottles |
| | Bottle Type Containers Analyses Pre | eserv. Filter |
| | 1100e 2 VOCS | Duplicate Sample I.D. |
| | | Field Blank I.D. |
| | | Rinseate Sample I.D. |
| 3 | Field Equipment | Type/Brand/Serial No./Material Units |
| | Pump Type/Tubing Type Proactive to PE. | Temp/pH/E.C. meter |
| | Bailer Type | Water Level Probe |
| | Filter Type | |
| | | Other |
| (4 | Well Conditions OK Not OK | Explain |
| | | |
| | | |

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Ecol. Tay: BLI-198



| HARTCROWSER | Groundwater | Sampling Data | - Well I.D. | HMW-21A |
|--------------------|-------------|---------------|-------------|---------|
|--------------------|-------------|---------------|-------------|---------|

| | WELL LOCA | | - | | <u>1991</u> | e 07/ | MB | ,~ 250 | OFF From | n Roy | + 9+ 4 | | |
|---------|--------------------------|----------------------|----------------|--|----------------|---------------------|---|--------------------------|------------------|---------------------|--------------|--|--|
| | | W of E com المالم | er of building |) A) | | DA | , TE/TIME 64 | MDLED 5 | 2 172119 | 1000 | 0 | | |
| | PROJECT JOB NO. | 1940 | 1901 | | - | | TE/TIME SA ALLY INFLU | - | YES | NO X | _ 0 | | |
| | PROJECT M | 1ANAGER | hou | Jer | rses | - | LL DEPTH I | | 46 | NO | _ an | | |
| | FIELD REPS | 6 | Elex | -451 | nati | | | | EET 34,66 | -44× Q | - | | |
| | Puraina F | Data/Field | d Measure | ements: | All Measu | j. | | of Casing (TO | | | * | | |
| \cup | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | nii ivicase | | • | | | | | | |
| | WELL DEPT | | | 11. | <u>~ 14</u> | ~ | | ME IN GALLO | | • | _ | | |
| | DEPTH TO S | | | | 211 | 01 | [2" diam = x .163 gal/ft 4" diam = x .653 gal/ft] PURGE VOLUME IN GALLONS ACTUAL PURGE IN GALLONS | | | | | | |
| | DEPTH TO V (DTS - DTW | - | | | ,61 | | | | | | | | |
| | (טוט – טוע) | " | 0.00 | | | AC | | | | | | | |
| | | No. of Gallons To | | Temp | Condu | Diss. act Oxygen | | ORP. | Comments: qu | uality, recovery, c | olor, odor, | | |
| | Time | Purged | pН | in °C | in_ <u>45/</u> | an in <u>Olo</u> | Turbidity | | | neen, accumulate | | | |
| | 0952 | 2.5 | 6.92 | 14.+ | 956 | | 36 | -15 | dady | NO N | > | | |
| | 0953 | 3 | 7,41 | 14.7 | 959 | | 25 | 7116 | clear, | 10, NS | | | |
| | 0954 3.5 7.50 4.7 | | 14.7 | 959 | 7 6 7 | 17 | -149 | clear, | NOVE | | | | |
| | 0955 | 4 | 7,55 | 14.7 | 95- | 8 2.6 | 14 | -166 | chear, | <u>no, ns</u> | | | |
| sample: | 1000 | 5 | | | | | | | | | | | |
| | Comments: | | | | | | | | | | | | |
| | | | | | | | | | · | | | | |
| | | | | Pumpin | ng Rate | Depth of | E | Boils dry? | Yes | No | χ | | |
| | | Method | | in GPM | 1 | Equip. in Fe | et | At no. of casing volumes | | | | | |
| | Purge | 500.Y | Simp | 0,3 | > | 70 | Purge Water Disposal Method/Volume | | | olume | | | |
| | Sample | | 11 | \ | | | | arms | , का का | te | | | |
| (2) | Sampling | Data | | | | | _ | | | | | | |
| | | # of | | | | | | Total nu | umber of Bottles | 3 | | | |
| | Bottle Type | | iners Anal | yses | | Preserv. | Filter | _ | | | | | |
| | ambe Voa | 7 2 | _ \ | OC 6 | | 4 | 12 | Duplica | te Sample I.D. | | | | |
| | | | | | - | | 1 | | lank I.D. | | | | |
| | | | | | | l | | Rinseat | te Sample I.D. | | | | |
| (3) | Field Equipment | | | | | | Type/Bra | and/Serial I | No./Material L | Inits | | | |
| | Pump Type | . /T k.i T | D_ | active | 44 | I PF. | Tames 1-112 | | YST | PVD I |)55 | | |
| | | • | ype Tro | CROTIVE | J D, M | 11,01 | Temp/pH/i | | Soli | 2 | | | |
| | Bailer Type | | | | | | Water Lev | ei Probe | -all VI | 1 13 1 | | | |
| \sim | Filter Type | | | | | | Outer _ | | | | | | |
| (4) | Well Con | ditions | C | к 🔨 | Not OK | Expla | in | | | | | | |

| 1 | | |
|-----|--|-------|
| HAD | | _ |

HARTCROWSER Groundwater Sampling Data - Well I.D. HMW-JB

| | WELL LOCA | | | | iddl | eof | MMB | ~250 | ft from | 1 Poy + | 9+4,8 | | |
|---------|-----------------------|-------------------|-------------|---------------|-----------|---------------|-------------------------|-------------|-----------------|--------------------|--------------|--|--|
| | (e.g., 20' NI | | | g A) | | DA | | , , | 9110613 | 1034 | _ C | | |
| | PROJECT | MM | | | | | FE/TIME SAN | | | 1 | <i>S</i> : | | |
| | JOB NO. | 1740 | 7901 | - A A | | | ALLY INFLU | | YES | NO X | | | |
| | PROJECT M | - | noy ! | 480 | 4 = . | | LL DEPTH IN | | 66.5 | 11 12 11 | 1 | | |
| | FIELD REPS | 1000 | 181-4 | onal | 1191 | SCF | REENED INT | ERVAL IN F | ЕЕТ <u>52.</u> | 0-69.8 | | | |
| 1 | Purging D | | | ements: / | All Measu | ırements Rela | | | | / | | | |
| | WELL DEPT | н <u>66</u> | ,51 | | | CA | SING VOLUM | IE IN GALLO | ons 5.5 | 4 | | | |
| | DEPTH TO S | SEDIMENT | (DTS) IN FE | ET <u>6(,</u> | 711 | [| 2" diam = x . | 163 gal/ft | 4" diam = x .6 | 53 gal/ft] | | | |
| | DEPTH TO V | | W) IN FEET | 77 | ,501 | PUF | PURGE VOLUME IN GALLONS | | | | | | |
| | (DTS – DTW | 34 | .21 | | | AC | ACTUAL PURGE IN GALLONS | | | | | | |
| | | No. of Gallons | | Tomp | Condu | Diss. | | ORP, | Comments | quality, recovery, | color odor | | |
| | Time | Purged | pН | Temp in °C | in M | | Turbidity | in MV | Comments. | sheen, accumula | | | |
| | 1050 | 1 | 7.78 | 14,58 | 75 | 9 8.9 | 900 | -66 | turbi | L. NO. K | K | | |
| | 1024 | 1.5 | 7.96 | 148 | 76 | 7.3 | 600 | -94 | torbi | A OTA L | 15 | | |
| | 1026 2 8.11 14.8 763 | | | | | | 400 | -149 | 1000 | W NO A | <u>)<</u> | | |
| | 1027 25 8.16 14,8 764 | | | | | 4 | 200 | -1<0 | 1000 | | 1/2 | | |
| | 1571 7 | | 211 | 1000 | 1 60 | 7,000 | sg. 100 1 | | | | | | |
| sample: | : [1039] 5 | | | | | | | | | | | | |
| | Comments | : | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | Dumnir | ng Rate | Depth of | | alla dia O | Van | M- | V | | |
| | | Method | | in GPM | - | Equip. in Fe | | | | | | | |
| | Purge | Sub Du | mp | 0.7 | 3 | 55 | | | | | | | |
| | Sample | 1 | N | \ | - | 11 | | | | | | | |
| | Gampio | | | | | | 5,70 | | | | | | |
| 2 | Sampling | Data | | | | | | | | | | | |
| | | # of | | | | | | Total n | umber of Bottle | s <u>3</u> | | | |
| | Bottle Type | | | lyses H - | | Preserv. | Filter | | | | | | |
| | voa | | | VOCE | _ | 1 | 10 | Duplica | ite Sample I.D. | | | | |
| | 7000 | | | VOCS | | | N | Field B | lank I.D. | | | | |
| | | | | | | | | Rinsea | te Sample I.D. | | | | |
| (3) | Field Equ | ipment | ' | | | ı | Type/Brai | nd/Serial I | No./Materia | l Units | | | |
| | | | 0 | dr. 4 | 41 | D/ | | | WI | D. W. | | | |
| | Pump Type | | ype \\X | ective | Temp/pH/E | | 197 | 110 NS. | > | | | | |
| | Bailer Type | - | | | | | Water Leve | el Probe | 5011 | 154 | | | |
| | Filter Type | | | | | | Other | | | | | | |
| 4 | Well Con | ditions | (| ок 🏹 | Not OK | Expla | in | | | | | | |



| MARTERALES | Groundwater Sampling Data - Well I. | D HMML-25 |
|--------------|--------------------------------------|---------------|
| THAT CAONDER | Orderiawater dampining bata - wen in | D. 111 100 00 |

| | WELL LOCA | TION DESC | C. (for new we | ells) V | tidd | he os | + Kr | BIG | 77+FO | on P | Day + 9+ | | |
|---------------|------------------------------------|--------------|----------------|------------------|-------------------|---------------------------|---|--|------------------|------------|------------------|--|--|
| | , - | N of E corne | er of building | A) | | 12 | | • | 3/19/19 | | 0 . | | |
| | PROJECT | 1211 | | | | | E/TIME SAV | _ | | | | | |
| | JOB NO. | 194 | <u> </u> | | | | ALLY INFLUE | | YES | NO _} | <u></u> | | |
| | PROJECT M | 7 | Jens | · land | 6: 3 ₀ | | L DEPTH IN | _ | 30 | -29,5 | 1 | | |
| $\overline{}$ | FIELD REPS | DOC | 7 CA 12 | 77VPC | 919 | SCF | REENED INTI | ERVAL IN FI | EI 19.0 | 0-1 | <u>D</u> | | |
| (1) | Purging E | Pata/Field | l Measure | ments: / | All Measu | rements Relat | ive to Top of | Casing (TOC | 5) | | | | |
| | WELL DEPT | н 2 | 201 | | | CAS | ING VOLUM | IE IN GALLO | NS 1.33 | , | | | |
| | DEPTH TO S | SEDIMENT | (DTS) IN FEE | T 2 | 1.45 | 172 | [2" diam = x .163 gal/ft 4" diam = x .653 gal/ft] PURGE VOLUME IN GALLONS ACTUAL PURGE IN GALLONS | | | | | | |
| | DEPTH TO V | | | 27 | 656 | PUF | | | | | | | |
| | (DTS - DTW |) A. | 17 | | | ACT | | | | | | | |
| | | No. of | | | | Diss. | | T | <u> </u> | | | | |
| | | Gallons | | Temp | Conduc | ct Oxygen | | ORP | Comments: qu | | | | |
| | Time | Purged | PH 7 / B | in °C | in 45/ | | Turbidity 274 | in HV | sh sh | een, accum | ulated silt/sand | | |
| | 1707 | 0.2 | 4,60 | 17,4 | 695 | | -17 < 1 | 767 | doude | 100 | 115 | | |
| | 1700 | 0,5 | 7.31 | 16.1 | 695 | | 080 | 017 | docard | | 7 | | |
| | 1709 0,5 7,30 15 1710 1 7,31 15 | | | | 691 | 19.8 | 150 | 26.7 | weer, | | $ \bigcirc $ | | |
| | 1-120 | | 15.3 | 686 | 19.9 | 110 | 29.3 | evect, | NO, A | 10 | | | |
| sample: | 1420 3 | | | - | L | | | | | | | | |
| | Comments | : | | - | | | | | | | | | |
| | | | | | Til. | | | | | | | | |
| | | Method | | Pumpir in GPM | - 1 | Depth of Equip. in Fee | Ba | ^ | 10 | | | | |
| | Purge | 50/b. F | 4my | 0.2 | - | 251 | | At no. of casing volumes Purge Water Disposal Method/Volume | | | | | |
| | Sample | 1 | h | 1 | 1 | 11 | 7 5 | - 4 | S ON 4 | 146 | | | |
| | | <u>'</u> | | , | | | | | | | | | |
| (2) | Sampling | g Data | | | | | | _ | | 6. | | | |
| | 5 | # of | | | - | | F.11 | Total n | umber of Bottles | | 5 | | |
| | Bottle Type | | iners Analy | PH - | | Preserv. | Filter | | | | | | |
| | V/00 | 2 | | 100 | | 14 | 1 is | | ate Sample I.D. | | | | |
| | polu | 1 | (N | etal | 6 | 1g | N | | lank I.D. | | | | |
| | cim be | - | | T55 | | 10 | N | Rinsea | te Sample I.D. | | | | |
| 3 |) Field Eqเ | ıipment | | | | | Type/Brai | nd/Serial | No./Material L | Inits | | | |
| | Pump Type | e/Tubina T | vpe Pt | oach | ve S | SIPE | Temp/pH/E | .C. meter | YSI | Pro | DSS_ | | |
| | Bailer Type | • | ,, | • | | | Water Leve | | 50 lif | 784 | | | |
| | Filter Type | | | | | | Other | | | | | | |
| 4 | Well Con | 22 | C | к | Not OK | Expla | in | | | | | | |
| | | | | (- | | | | | | | | | |

Ecol. tag: BLR 924



HARTCROWSER Groundwater Sampling Data - Well I.D. HMW3.D

| | WELL LOCA | TION DES | C. (for new wel | lls) <u>N</u> | WC | other | 707 | MM | B | | |
|---------------|----------------|-----------------------------|-------------------|---------------|---------------------------|-----------------------|---------------|-------------|------------------|------------|--|
| | | W of E corr | ner of building A | 4) | | | | | 319/19 | 1115 | ~ \ |
| | PROJECT | 1011 | 10901 | - | | | E/TIME SAM | _ | | 190 | |
| | JOB NO. | 1// | | | | | LLY INFLUE | | YES 42 | _ NO 🗡 | |
| | PROJECT M | No. | Jen | Ser > | 100 | | L DEPTH IN | - | | 95 | |
| $\overline{}$ | FIELD REPS | | 12101 | DYP | 17 12 | SCRI | EENED INTE | ERVAL IN FI | EET <u>42.</u> | - 1 d | _ |
| (1) | Purging E | Data/Fiel | d Measuren | nents: A | II Measure | ements Relativ | e to Top of | Casing (TOC | C) | | |
| | WELL DEPT | | , | in log) | 1 | CASI | NG VOLUM | E IN GALLO | ons 4.5 | 3 gal | |
| | DEPTH TO S | SEDIMENT | (DTS) IN FEE | | 1.51 | [2 | " diam = x .1 | 63 gal/ft | 4" diam = x .65 | 3 gal/ft] | |
| | | _ | TW) IN FEET | _38 | .46 | PUR | GE VOLUME | E IN GALLO | NS | | \ |
| | (DTS – DTW | n <u>5</u> | 231 | | | ACTU | JAL PURGE | IN GALLON | ıs <u>4</u> | .5 | |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in <u>MSIC</u> | | Turbidity | ORP in MV | | | ry, color, odor, ulated silt/sand |
| | 14:08 | 0.5 | <u> </u> | | | | | | Cloudy, 1 | 1.0, N.S | , |
| | 14:12 | 1.5 | 8.11 | 16.5 | 546 | 5.0 | 一 | -305 | Clear | NO.10 | 5 |
| | 14:33 | 2.5 | | 16,7 | 545 | 68.0 | | -353 | chear | 100 D | 5 |
| | 1423 | _3_ | 4,13 | 6.9 | 544 | 9.0 | | -434 | clear, | 170 VZ | |
| nple: | 1430 | 9 | | | | | | | | | |
| | Comments | : | turba | Lity | PTT | be r | 181 | WOTH | ilng | | |
| | | | | | • | - | | | <u> </u> | | |
| | | Method | | Pumping | - 1 | Depth of | | ls dry? | Yes | N | · _X |
| | Duras | Z V | 2 me | in GPM | | Equip. in Feet るのし | \dashv | At no. of o | asing volumes | _ | |
| | Purge | -30 ().(| 11 | 010 | | (1) | Pu | rge Water D | isposal Method | /Volume | , |
| | Sample | <u> </u> | | | Mga | | | TO 1 | <u>5 on</u> | 7011 | The state of the s |
| (2) | Sampling | Data | | | | | | | | *** | |
| | | # of | | | | 1 | | Total nu | umber of Bottles | _3 | <u> </u> |
| | Bottle Type | Conta | ainers Analys | es | | Preserv. | Filter | | | <i>Jan</i> | |
| | Voc | 7 3 | 10 | 000 | | 1 3 | 1 | Duplica | te Sample I.D. | | |
| | | | | ∽> | - | J | | Field Bl | ank I.D. | | <u></u> |
| | | | | | | | | Rinseat | e Sample I.D. | | <u> </u> |
| (3) | Field Equ | ipment | | | | 7 | ype/Bran | d/Serial N | No./Material | Units | |
| | n — — | /T = | Roma | عم طر | 2 4 | 100 | | | VLT | De 1 | 15< |
| | Pump Type | _ | ype 11104 | Office | <u></u> | · · | emp/pH/E. | | 101 | S CYT | 005 |
| | Bailer Type | • | | | | | /ater Level | Probe | SOLI | 1121 | |
| | Filter Type | _ | | | | 0 | ther | | | | |
| 4 | Well Con | ditions | ок | X | Not OK | Explain | | | | Ź., | |
| _ | | | | T | | | | 1 | | | |
| | 1:\Docs\Earms\ | Field 8. Lable | Graundwater Sa- | nling Data F | enne das | = $colog$ | 14 | tag | : BL! | E 149 | <i>y</i> |



| HARTCROWSER | Groundwater Sampling Data | - Well I.D. HMW-31 |
|-------------|---------------------------|--------------------|
|-------------|---------------------------|--------------------|

| WELL LOCATION DESC. (for new wells) (e.g., 20' NW of E corner of building A) | THE OF MMB, east of HMWSD |
|---|--|
| PROJECT MM? | DATE/TIME SAMPLED 3/19/19 1520 |
| JOB NO. 194090 (| TIDALLY INFLUENCED YES NO X |
| PROJECT MANAGER JENSEN | WELL DEPTH IN FEET 45.5 PT |
| FIELD REPS DOTIET/Ghalign | SCREENED INTERVAL IN FEET 34,8-44,8 |
| 1 Purging Data/Field Measurements: All Measurement | |
| WELL DEPTH 45.5 FT | CASING VOLUME IN GALLONS 3.57 |
| DEPTH TO SEDIMENT (DTS) IN FEET 45.62 | [2" diam = x .163 gal/ft 4" diam = x .653 gal/ft] |
| DEPTH TO WATER (DTW) IN FEET 23.11 | PURGE VOLUME IN GALLONS |
| (DTS - DTW) 21.91 2+ | _ ACTUAL PURGE IN GALLONS |
| | Diss. Ixygen ORP Comments: quality, recovery, color, odor, sheen, accumulated silt/sand |
| | 55,3 — 53,1 turbid, NO,NS |
| 1513 1 7-16 17-4 586 7 | 3.9 -50.9 clear NO NS |
| 1514 1,2 7,21 17,4585 7 | 3, 2 - 47× clear, NO, NS |
| 122 2 7 2 14 4 200 4 | 28 - 467 1 100 10 |
| 1000 3 | a, 8 - 13, 4 cheer, 100, 105 |
| ample: \(\(\frac{1}{2} \) \(\frac{1}{2} \) \(\frac{1}{2} \) | |
| Comments: | |
| | |
| Pumping Rate Depth Method in GPM Equip | of Bails dry? Yes No |
| Purge Gub. Pump 0.2 4 | Purge Water Disposal Method/Volume |
| Sample N | u arms on site |
| 2 Sampling Data | |
| # of | Total number of Bottles |
| Bottle Type Containers Analyses Pr | eserv. Filter |
| voa 2 10(4 | Duplicate Sample I.D. |
| | Field Blank I.D. |
| | Rinseate Sample I.D. |
| 3 Field Equipment | Type/Brand/Serial No./Material Units |
| Pump Type/Tubing Type | Temp/pH/E.C. meter YSI Pro DSS |
| Bailer Type | Water Level Probe |
| Filter Type | Other |
| 4 Well Conditions OK Not OK | Explain |



HARTCROWSER Groundwater Sampling Data - Well I.D. HWW-414

| | WELL LOCA | ATION DES | C. (for new v | vells) <u>5</u> | N COT | nere | & H | MB | |
|---------|--------------------|-------------------|---------------|------------------|-----------|--|--------------------------|---------------------|--|
| | | W of E corn | | g A) | | | | - | 3/19/19/1235 |
| | PROJECT JOB NO. | 1940 | 1401 | | | | E/TIME SAM | - | |
| | PROJECT N | ANAGER | Jen | sen | | | LLY INFLUE L DEPTH IN | | YES NO X |
| | FIELD REPS | | ies k | ha | licer | | EENED INT | - | Acres A. A. A. A. |
| (1) | Purging L | V. | d Measure | | 0 | | | | |
| | WELL DEPT | | , | | | | | | ons 4.56 gal 184 |
| | DEPTH TO | | • | | .57+ | [2 | " diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| | DEPTH TO | | | <u>29</u> | 15H | PUR | GE VOLUME | E IN GALLO | NS |
| | (DTS – DTW | n Jet |) i O | | | ACTU | JAL PURGE | IN GALLON | 15 <u>5,5 gal</u> |
| | · | No. of Gallons | | Temp | Conduct | Diss. | | ORP., | Commental quality resources also also |
| | Time | Purged | pН | in °C | in 245/04 | Oxygen in O | Turbidity | in MV | Comments: quality, recovery, color, odor, sheen, accumulated silt/sand |
| | 1956 | 9- | | | | | | | turbib, NS, NO |
| | 1327 | 2,5 | 7.80 | 15.8 | 571 | 14.1 | 49 | 80. | cheer NS, DO |
| | 1752 | _5_ | 7.91 | 15.9 | 571 | 18.2 | 50 | 75.6 | chear, No NO |
| | 1230 | 4 | 7.95 | 15.7 | 569 | 17.1 | 25 | 69.1 | closer, NS, NO |
| sample: | 1235 | 5 | | | | | | | |
| | Comments | : _ | | | | | | 41 | |
| | | - | | | | | · | | |
| | | Method | | Pumpin in GPM | | epth of quip. in Feet | | ls dry? | Yes No |
| | Purge | 500.0 | mp | 0.3 | CPM. | مر المالية الم المالية المالية المالي | | | asing volumes |
| | Sample | 1 | , | 0.00 | | 11 | 1 | rge Water D 「ひつつ | risposal Method/Volume |
| _ | | | | | l | | | 101115 | |
| 2 | Sampling | Data | | | | | | | |
| | Bottle Type | # of | noro Anal | | | | F-11 | Total nu | umber of Bottles |
| | anber | | ners Anal | H- | | Preserv. | Filter | | |
| | Voce | 3 | NC | Cs | | ŭ | N | | te Sample I.D. |
| | - | | | | · |) | | Field Bl | |
| | L | | | | | | | Kinseat | e Sample I.D. |
| (3) | Field Equ | ipment | | | | T, | ype/Bran | d/Serial N | lo./Material Units |
| | Pump Type | /Tubing Ty | pe PTD | activ | e 55 | 2 (RE TO | emp/pH/E.(| C. meter | YSI PRODES |
| | Bailer Type | | | | 0 | | /ater Level | Probe | Soliost |
| | Filter Type | 10 | | | | | ther | | |
| 4 | Well Cond | ditions | 0 | v 🔽 | Not OK | | | | |
| \cdot | . ron oun | 2100113 | O | ν Γ <u>Γ</u> Γ. | Not OK | Explain | | 4// | 3 |

Public Review Draft Location MMB - 19419-04 Project / Client Well Development HMW-175: 25 gal (16 gas theoretical) HMW-185 = 20 gal (16 gas theoretical) HMW-198: 25 gas (17 gas theoretical) Huw-208-12 gal (12 gal theoretical)
- pumped well dry 5 times
- still turbid HMW-201A = 35 gal (32 theoretical)

Well Development Data

Project MM B

Field Rep. A. Nakahara & B. DOBICH

_ Job No. [46] 404

| | | | | | | | | | Date |
|--------|-----------------|-------|------------|-------------|-----------|----------------------|------------|------------|---|
| WELL | DATE | WELL | BEFORE | -DEVELOPME | NTAFTER | CASING | METHOD OF | DEVELOPING | COMMENTS |
| NUMBER | DEVELOPED | DEPTH | DEPTH TO | DEPTH TO | SEDIMENT | VOLUME IN GALLONS | DEVELOPING | VOLUME | |
| | | | WATER | SEDIMENT | THICKNESS | IN GALLONS | | IN GALLONS | |
| | 6 0 (- | | IN FEET | IN FEET | IN FEET | | | | |
| DMW | 3/16/20 | 33 | 8.25 | 32,84 | asey | 4.01 | Plastic | Marzo | Pressurited, Poppelwhen |
| -45-r | | | | | cm7 | 9.01 | SUL | 10.08 F | Dwell Caores |
| | | | @1426: | 32.51 | 1005 | X10=40.0 | 6) | WINKING | Plastic Shows 6 |
| | | | 26.61 | Chill (May) | (7) | | 4 | וואלוו | Plante of the Oros -Ogic |
| | | | | (31614099) | (,) | | | Dril III | Mastic Shaving Mall |
| | | | 32.35 | | | | | (23) | likely from |
| | | | 31/6/2020) | | | | | | PVC. |
| | | | | | | " = = | | × | Plastic shaving invelly likely from cutting PUC Mell ran kry, 1035, allower |
| | | | | | | | | | Well can kry 1035, allower |
| | | | | | | | | | terechore of my |
| | | | | | | | | | torechose antit, 1111 3 dept in the water 20,25 |
| | - _{vc} | | - | | | | | | Watt 30,25 |
| | Y | | | | | | | | Tarana - 11 |
| | | | | | | | | | an additional Z-gal |
| | | | | | | | | 48 | Panel Chill |
| J | | AR. | | | İ | ļ | | | Harting @4420, started (A) |
| 1 | | | | | | | | | Duraine Contration |
| | | | | | | | | | purging again: 15 gallons |
| | | | | | | | ļ | | wait for recharge 1511+1 |
| | | | | | | | - | | Purged another agailous before |
| | | | | | | j | ļ | } | TUNNING DAY @ 1616, turned of the |
| | | | | | | İ | _= = | | to allow recharge 1616-1655. |
| | İ | | | | | | | | purges another Igal! |
| | | * | | | - | | | | Aill voytet bid gray |
| | | | | | | | | | 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7 |
| | T Des | evel | VIC | - Sm. | 217/ | 245 0 3 | | | |

Hart Crowser, Inc.

| Well ID | Date 3/17/2020 | 1 | 22.721 33.06°
23.12° | a sew on | A OF BOTH | thod Devigel Potes ev. opened well to equib. opened well to equib. opened well to equib. opened well to equib. opened well to equib. opened well to equib. opened well to equib. opened well to equib. opened well to equip. The second rest. opened well to equip.
|---------|----------------|---|-------------------------|----------|--|--|
| | | | | | cidosis actis des gon des registras, trada cumba de accidente de estado de e | |

Well Development Data

Project MERCER MEGABLOCAL
Field Rep. JOSH /A-DET.JAL

Job No. 1940904

Date 10/21 - 1/2

| WELL | DATE | WELL | BEFORE | DEVELOPME | AFTER | CASING VOLUME | METHOD OF | DEVELOPING | COMMENTS |
|------------|-----------|------------------|------------------------------|---------------------------------|----------------------------------|------------------|--|----------------------|---|
| NUMBER | DEVELOPED | DEPTH IN FEET | DEPTH TO WATER IN FEET | DEPTH TO SEDIMENT IN FEET | SEDIMENT THICKNESS IN FEET | IN GALLONS | DEVELOPING | VOLUME IN GALLONS | |
| DM 105 | 10/21/20 | 55 | 32.41/ | 54.71/ | 0.20 | 36 | SO BAILETL 12 GAMO'S FUMP | 3< | FUMP ISSUES RESULTED IN HONO BAILING ON 10/21 THEN DUMBLY 13/21 |
| DNJ 115 | 10/23/20 | 50 | 32 14/ | 49.98 | 0.10/ | 7-8 | SS BAILER 24.5 GALLON | 13 | BAILED IS GALLONS WITH SS BAILER BEFFRE WATER LEVEL FELL TO 49.20 |
| 125 | 19/28/20 | 53 | 3461/ | 46.81 | 3.19 | 1.9. | PUMP Z.5 GHIMAN SS BAILER 19 GALLON | 19 | BAILING RESULTED IN HOLD |
| 725 | 10/23/20 | 37 | 31.25/ | 36.21 | 0.99 | 0-8 | SS BALER 9 GALLOS | 9 | |
| MB3-25 | 10/30/20 | 40 | 32.91 | 39.90/ 39.98 | 0.10/ | 1:1 | SS BAILET 11 Gallars | | |
| iii | , w | D | | | | | | 6"" 83 | ्या के सा स्थापन के सा स्थापन के साम स्थापन के स्थापन |
| | | | | | = | | 5 | _ | n n n n n n n n n n n n n n n n n n n |
| | | | ø | * | = 1 | <u>.</u> | 24 | | |
| | | | | | 2 | | | , ee | |

Well Development Data

Project WARCAL M

Project March Mean Block / DEXTER Job No. 194004

Field Rep. APBlanduth.

Date 3

| | ELĻ | DATE | WELL | BEFORE | DEVELOPME | AFTER | CASING | METHOD OF | DEVELOPING | COMMENTS |
|--------|------|-----------|------------------|------------------------------|---------------------------------|----------------------------------|----------------------|------------------------|----------------------|---|
| NUM | IBER | DEVELOPED | DEPTH IN FEET | DEPTH TO WATER IN FEET | DEPTH TO SEDIMENT IN FEET | SEDIMENT THICKNESS IN FEET | VOLUME IN GALLONS | DEVELOPING | VOLUME IN GALLONS | |
| W 37 | A | 3/10/20 | 50 | 39.8/25.68 | 49.15 | - 1 × | 1.30 | y and the part | 30 | actività after primping began, N5001 each, let rechage ter |
| 28 WA | | 3/1/10 | 40 | 57 53/3.15 | 31 7/24.20 |). | 1.75 | The Ten | 30 | 15-10 min + measured DTW/DT. |
| 1145 | * | 3/1/20 | 40 | 31,12/ 1.82 | 32.85/ 33.42 | | 0.29 | bailer + plasticump | 10 - | . of 23 Pt, sturrd bailing indust. I since sand I sund prece of PUC in bailer. Seems as though casing is contain a sand alled well a water delays |
| WA-C | 9 | 3/6/20 | 90 | 28.27/ | 44.25 | | 7.37 | plastic | 25 | may need to redall |
| MV.I | 1/ | 3/6/20 | 50 | 38.05 | 48:1/ | | 1,71 | pailer + | <5 | Toailed day after 2 boods at 155 beat |
| | | | | | | | | | | |
| y y | | | | | | | | | | |
| | | | | | 1 | | | | | |

Drums added 319/20

DMW 2S

"S"(+++1)

601 Dex HC. Vac #17

MBGW-12 Soil #2 (13-25)

DMW-6.2

DMW-6 4

DMW.25

DMW 6 3

DMW 6 (

MMB Well Develoment

| | Bet | ore Developmen | it | | | | Af | ter Developn | nent | |
|----------|----------------------------|----------------------------|----------------|---------------------------------|-----------------------------------|-------------------|-----------------------|-----------------------|-------------------|---|
| Well ID | DTW (ft, from temp TOC) | DTS (ft, from temp TOC) | DTS - DTW (ft) | 1 Casing Volume (gallons) | 10 Casing Volumes (gallons) | Date Developed | DTW (ft, from TOC) | DTS (ft, from TOC) | DTS - DTW (ft) | Notes |
| HMW-5IB | 35.06 | 63.58 | 28.52 | 4.65 | 46.49 | 4-Mar | 34.46 | 63.33 | | Initially very turbid (gray); after purging slightly less turbid (gray) |
| HMW-6IA | 32.79 | 50.4 | 17.61 | 2.87 | 28.70 | 4-Mar | 34.08 | 51.7 | | Initially very turbid (gray); after purging slightly less turbid (gray) |
| HMW-6IB | 34.67 | 60.3 | 25.63 | 4.18 | 41.78 | 4-Mar | 35.11 | 64.18 | | Initially very turbid (gray); after purging slightly less turbid (gray) |
| HMW-6D | 42.94 | 90.42 | 47.48 | 7.74 | 77.39 | 6-Mar | 46,74 | 93.42 | | Initially very turbid (gray); at end of development, 85 gallons total purged, slightly turbid (gray) |
| HMW-7IB | 37.38 | 63.1 | 25.72 | 4.19 | 41.92 | 4-Mar | 35.61 | 64.38 | | Initially very turbid (gray); after purging slightly less turbid (gray) |
| HMW-8IB | 30 | 60.8 | 30.8 | 5.02 | 50.20 | 4-Mar | 36.78 | 62.96 | | Initially very turbid (gray); after purging slightly less turbid (gray) |
| HMW-9S | 34.92 | 38.99 | 4.07 | 0.66 | 6.63 | 5-Mar | 32.92 | 39.12 | | Bailed 15 gallons 3/4; initially very turbid (gray); Total of 23 gallons purged; Fairly clear at end of development |
| HMW-9IA | 33.94 | 51.18 | 17.24 | 2.81 | 28.10 | 5-Mar | 34.1 | 51.25 | | Initially very turbid (gray); 43 gallons purged total; After purging, turbid (gray) |
| HMW-9IB | 36.55 | 71.41 | 34.86 | 5.68 | 56.82 | 5-Mar | 36.66 | 71.75 | | Initially very turbid (gray); bailed dry after 15 gallons, recharged 3-5 gallons every 15 minutes; After purging, turbid (gray) |
| HMW-9D | 43.04 | 95.06 | 52.02 | 8.48 | 84.79 | 6-Mar | 43.40 | 93.36 | | Started development on 3/5, pump blew a fuse, so need to finish 3/6; at |
| HMW-10S | 25.95 | 38.12 | 12.17 | 1.98 | 19.84 | 9-MAY | 26.57 | 38-12 | | end of development, 85 gallons purged total, appears clear |
| HMW-10D | 434 39.38 | 91.6 | 52.22 | 8.51 | 85.12 | 9-Mar | 39.90 | 91.55 | | int v tubid (It brown gran), pura 30 gor Filly tub |
| HMW-11S | 36.28 | 41.09 | 4.81 | 0.78 | 7.84 | 6-Mar | 35,06 | | | Initially very turbid (gray-brown); at end of development 8 gallons total purged, slightly turbid (gray-brown) |
| HMW-11IB | 34.43 | 60.81 | 26.38 | 4.30 | 43.00 | 6-Mar | 33.2 | 5992 | | Initially very turbid (gray-brown); at end of development 45 gallons total purged, slightly turbid (gray-brown) |

| Boring ID | DTW (ft, from temp TOC) | DTS (ft, from temp TOC) | DTS - DTW (ft) | 1 Casing Volume (gallons) | 3 Casing Volumes (gallons) | Date Sampled | Notes |
|-----------|----------------------------|----------------------------|----------------|---------------------------------|----------------------------------|-----------------|---|
| MBB-11 | 34.69 | 35.81 | 1.12 | 0.18 | 0.55 | | TOC flush with ground surface; Bailed dry on 3/5 (very sludge-y), left trecharge |
| MBB-12 | 25.72 | 35.62 | 9.9 | 1.61 | 4.84 | 6-Mar | TOC ~3ft above ground surface |
| MBB-13 | 25.76 | 35.68 | 9.92 | 1.62 | 4.85 | | TOC ~1in above ground surface |
| MBB-14 | 34.16 | 35.49 | | 0.22 | 0.65 | | TOC ~1in below ground surface; ~4in of gray sediment on water level tape; Bailed dry on 3/5 (very sludge-y), left to recharge |
| MBB-15 | 26.5 | 35.87 | 9.37 | 1.53 | 4.58 | 6-Mar | TOC flush with ground surface |

4 HMW 10 8-noticed pressurted when gesting post dev. measurements. Dev'd @ 11:00, measured past @ 1723

sturbid, Slightly clands

MMB Well Develoment

After Development **Before Development** 10 Casing 1 Casing DTS - DTW DTW (ft, DTS (ft, Volume Volumes Date DTS (ft, from DTW (ft, from (gallons) Developed from TOC) from TOC) (ft) DTS - DTW (ft) (gallons) Well ID temp TOC) temp TOC) Initially very turbid (gray); after purging slightly less turbid (gray) 46.49 4-Mar 34.46 63.33 4.65 35.06 63.58 28.52 HMW-5IB Initially very turbid (gray); after purging slightly less turbid (gray) 34.08 51.7 28.70 4-Mar 17.61 2.87 HMW-61A 32.79 50.4 Initially very turbid (gray); after purging slightly less turbid (gray) 35.11 64.18 60.3 25.63 4.18 41.78 4-Mar 34.67 HMW-61B Initially very turbid (gray); at end of development, 85 gallons total 46,74 13.42 purged, slightly turbid (gray) 47.48 7.74 77.39 6-Mar 42.94 90.42 HMW-6D Initially very turbid (gray); after purging slightly less turbid (gray) 35.61 64.38 41.92 4-Mar 63.1 25.72 4.19 HMW-7IB 37.38 Initially very turbid (gray); after purging slightly less turbid (gray) 62.96 30.8 5.02 50.20 4-Mar 36.78 HMW-8IB 30 60.8 Bailed 15 gallons 3/4; initially very turbid (gray); Total of 23 gallons 32.92 purged; Fairly clear at end of development 0.66 6.63 5-Mar 39.12 4.07 34.92 38.99 HMW-9S Initially very turbid (gray); 43 gallons purged total; After purging, turbid 51.25 (gray) 28.10 5-Mar 34.1 HMW-9IA 33.94 51.18 17.24 2.81 Initially very turbid (gray); bailed dry after 15 gallons, recharged 3-5 gallons every 15 minutes; After purging, turbid (gray) 5-Mar 36.66 71.75 71.41 34.86 5.68 56.82 HMW-9IB 36.55 43.40 Started development on 3/5, pump blew a fuse, so need to finish 3/6; at 93.36 end of development, 85 gallons purged total, appears clear 43,72 43.04 95.06 52.02 8.48 84.79 6-Mar HMW-9D 9-1901 26.57 \$ 38-12 (ait - V trabid. 1 H brown forent, pura 230 an Atally trab 19.84 38.12 12.17 1.98 IHMW-10S 25.95 Initially very turbid (gray-brown); at end of development & gallons total 85.12 9-May 39.80 91.55 52.22 8.51 HMW-10D 39.38 91.6 39.11 purged, slightly turbid (gray-brown) 4.81 0.78 7.84 HMW-11S 36.28 41.09 Initially very turbid (gray-brown); at end of development 45 gallons total 5992 33.2 purged, slightly turbid (gray-brown) 4.30 43.00 34.43 60.81 26.38 HMW-11IB

| | DTW (ft, from | DTS (ft, from | | 1 Casing Volume | 3 Casing Volumes | Date | Notes |
|-----------|---------------|---------------|----------------|--------------------|---------------------|---------|---|
| Boring ID | temp TOC) | temp TOC) | DTS - DTW (ft) | (gallons) | (gallons) | Sampled | |
| | | | | | | | TOC flush with ground surface; Bailed dry on 3/5 (very sludge-y), left to |
| MBB-11 | 34.69 | 35.81 | 1.12 | 0.18 | 0.55 | | recharge |
| MBB-12 | 25.72 | 35.62 | 9.9 | 1.61 | 4.84 | 6-Mar | TOC ~3ft above ground surface |
| MBB-13 | 25.76 | 35.68 | 9.92 | 1.62 | 4.85 | | TOC ~1in above ground surface |
| MBB-14 | 34.16 | | 1.33 | 0.22 | 0.65 | | TOC ~1in below ground surface; ~4in of gray sediment on water level tape; Bailed dry on 3/5 (very sludge-y), left to recharge |
| MBB-15 | 26.5 | 35.87 | 9.37 | 1.53 | 4.58 | 6-Mar | TOC flush with ground surface |

¥HMW108-noticed pressured when getting post dev. measurements. Dev'd @11:00, measured post @1723

| | Grou | ındwa | ater S | amp | ling D | ata - V | Vell I.I | D. | DMW-1S | | | |
|-----------|---------------|-----------------------------|-----------|-----------------|--|---------------------------|-----------------------|-------|-------------------------------|------------------|-----------------|-------------------|
| | Project | | | 615 De | xter | | | | Date/Time Sampled | March 18 | B 2020 | 0945 |
| | Job No. | | | 19409- | | | • | - | Tidally Influenced | Yes | Ţ. | No x |
| | Project | Manager | | M. Dag | el | | | - | Well Depth in Feet | 28.2 (bgs) | | |
| | Field R | = | | | | . Higgir | s/A. Naka | ahara | Screened Interval in Fe | | 17 to 28.2 (bg | gs) |
| | 1) Pui | ging D | ata/Fie | ld Me | asureme | ents: A | ll Measu | ıreme | ents Relative to Top | of Casing (| TOC) Toc | 15 0.29 BGS |
| | Well De | epth | | 28.2 (b | | _ | | - | Casing Volume in Gallo | ns | 1.13 | |
| | Depth o | of Sedime | ent (DTS) |) in Feet | 29. | 89 | | - | [2" diameter = \times 0.163 | 3 gal/ft] | 20 | |
| | Depth o | of Water (| (DTW) in | Feet | 22.9 | 88 | | | Purge Volume in Gallor | ns _ | 3.38 | |
| | (DTS - | DTW) | | | 6.91 | | | - | Actual Purge in Gallons | | 1.5 | · |
| | Time | No. of Gallons Purged | рН | Temp in °C | MS/cm Conduct in mS/em | Diss Oxygen in mg/L | Turbidity in NTU | | Comments: Quality, Recov | very Color, Odo | r Sheen Accu | mulated Silt/Sand |
| START | 0915 | 0.1 | 7.22 | 14.3 | 407.1 | 3,37 | | | | | • • • | |
| -۱۱۰ر | 0 923 | | 7.27 | 14.4 | 409.2 | 1.64 | | | INITIALLY CLEAR, NS | | , , , , | Nam-LIE DAL |
| | <u> </u> | | | | | | 32.16 | 100.4 | | | 1, , , | |
| | 0929 | 1.0 | 7.29 | 14.2 | 410.5 | 1,59 | 35,88 | 93,7 | , , , | | | |
| | | | | | | | | | | | | |
| | | | _ | | | | | | | | | |
| SMPL | 0945 | 1.5 | 7.31 | 13.8 | 414.0 | 1.61 | 8,20 | 102.7 | CLEAR, NS, STRONG | SOLVENT/10 | TROUBLEM-LIKE | 000 |
| -, | | | 00 211 04 | 20.14.110 D | A.A.M. / A.a | | | | @ 0130 lequies fund ay | | | |
| | | | | | - Data in | | | 1 | | | | |
| | | Met | thod | | ng Rate in SPM | | oth of ent in Feet | | Bails dry? | Yes | | No X |
| | Purge | PALISTA | ICTIC | 0.0 | 3 | 23.98 | BTPC | | At no. of Casing Volume | es | | <u>_</u> |
| S | ample | γt | | 0.0 | 3 | 11 | | | Purge Water Disposal N | Method/Volum | ne Drum | left on site |
| | · | | D-4- | | | | | | , argo viato. Proposar | violino di Volum | <u> </u> | ion on one |
| _ | 2) Sal | npling | Data | 1 | | | | 1 | | :7 | 35.5 | |
| Во | ttle Type | No of Co | ntainers | An | alyses | Perserv. | Filter | | Total Nun | nber of Bottle | es | 7 |
| VC | | | 4 | NWTPI BTEX/I | | HCI | no | | | | | |
| 0.5 An | L nber | | 1 | NWTPI | H-Dx | no | no | | Dunlicate | Sample I.D. | | |
| | | | <u> </u> | Total N | | 110 | 110 | | Duplicate | Cample I.D. | | |
| 0.5 | L poly | | 1 | Metals | ed MTCA | HNO3 | no | | | | | |
| 0.5 | L Poly | | 1 | Metals | - WITOA | НИО3 | yes | | Field Blan | k I.D. | - | |
| | | | | | | | |] | Rinseate | Sample I.D. | | |
| | 3) <i>Fie</i> | ld Equ | ipment | i | | | | | Type/Brand/Serial | No./Mater | ial/Units | |
| | Pump | Type/Tu | ıbing Ty | pe | PERIST | MITIC/ | PE | | Temp/pH/E.C./D.O | 451 05 | 5 | |
| | Bailer | • • | , , | | and the same of th | | | - | Water Level Probe | WATER | | |
| | Filter | | | | 0.4 | Sum | | - | Other | | | |
| | | | | | | | | - | - ····-· | | | |
| | 4) We | II Cond | ditions | | OK | X | Not OK | | Explain | HC Standar | rds/Field Forms | G/GVV-VVeil ID |

| | Grou | 411av | | | | | | | | | | | | |
|-------------------------|--|--|---|--|---|---|--------------------------|-------------|---|------------------------------------|---|------------|--|--|
| | Project | | | 615 De: | xter | | | | Date/Time Sampled | March | 18 | 2020 | 1152 | [1157 F |
| | Job No. | | | 19409-0 | 04-05 | | | | Tidally Influenced | | Yes | | No x | DAN |
| | Project | Manager | V | M. Dag | el | | | | Well Depth in Feet | | 34.7 | | | |
| | Field Re | eps. | , | B. Dozi | er/B. Lytle |). Higgin | ıs/A. Naka | ahara | Screened Interval in Fe | et | 24 | .7 to 34.7 | 7 | |
| | 1) Pur | rging D | ata/Fie | ld Mea | asureme | nts: Al | ll Measu | ıreme | ents Relative to Top | of Cas | ing (TC | DC) Tec | 15 0.33 | 1 865 |
| | Well De | epth | | 34.7 | | | | _ | Casing Volume in Gallo | ns | | 1-9 | | _ * |
| | Depth o | of Sedime | ent (DTS) | in Feet | 34 | . 35 | | - - | [2" diameter = $x = 0.163$ | gal/ft] | | <i>C</i> . | | |
| | Depth o | of Water (| (DTW) in | Feet | 22.8 | 9 | | _ | Purge Volume in Gallon | s | | 5.6 | | |
| | (DTS - I | DTW) | | | 11.4 | fb | | • | Actual Purge in Gallons | | _ | 1.5 | | |
| £2 | Time | No. of Gallons Purged | pH | Temp in °C | M5/cm Conduct in m3/cm | Diss Oxygen in mg/L | Turbidity in NTU | | Comments: Quality, Recov | ery Colo | r, Odor, S | Sheen, Ac | cumulated : | Silt/Sand |
| 25 | 1106 | 0.1 | \$ 59 | 146 | 287.0 | 5.47 | <u> </u> | 242.1 | | | | | | - |
| | | 0.5 | 7.06 | 14.7 | 293.5 | 5,06 | 31.80 | 259.0 | tivitivice occur) . | <u> </u> | <u>, </u> | | | |
| | 1118 | | | | | | | 266.3 | | | | | | |
| | 1131 | 1.0 | 7.07 | 14.3 | 294.2 | 4.98 | 8.87 | 266.5 | , " , " | | | | | |
| | +1+2 | | | | | | · | | | <u> </u> | | | | |
| | | | | | | | | | | | | | | |
| | 1152 | 1.5 | 7.09 | 14.3 | 293.3 | 4.89 | 4.21 | 275.5 | CUM, NO, NS | | | | | |
| SMPL | Comm | LNIGHT, | @1255 | Resum (| O SAMPLI | Nb (Am | Bek 8.7 | PM 71.63 | & POLYS, Due ON W. | | M w - 2 | | <u> </u> | (Cooling of the Cooling | | Comm _O √⊗ | LNIGHT, | @1255 thod | RESVM (| 00 SAMPLI | Nb (Am | oth of ent in Feet | PM 71.63 | # DOLYS, Amound. Bails dry? | -29 d H | | | 7.5 | (|
| | Comm | LNIGHT, Mei | @1255 thod | Purgir | ng Rate in GPM | Nb (Am Dep Equipme | oth of ent in Feet | PM 71.63 | Bails dry? At no. of Casing Volume | -2 9 4 H | Yes | 2005). | No 2 | <u> </u> |
| F | Comm _O √⊗ | LNIGHT, | @1255 thod | Purgir | og Rate in | Der Equipme 29,7 23,9 | oth of ent in Feet | PM 71.63 | # DOLYS, Amound. Bails dry? | -2 9 4 H | Yes | 2005). | <u> </u> | |
| F | Comm | LNIGHT, Mei | @1255 thod | Purgir | ng Rate in GPM | Der Equipme 29,7 23,9 | oth of ent in Feet | PM 71.63 | Bails dry? At no. of Casing Volume | -2 9 4 H | Yes | 2005). | No 2 | |
| F | Comm | Mei Perlistar | @1255 thod | Purgir (| ng Rate in GPM 0 7 0 ,07 | Der Equipme 29,7 23,9 | oth of ent in Feet | PM 71.63 | Bails dry? At no. of Casing Volume | es Method/ | Yes | 2005). | No 2 | <u> </u> |
| F | Comm OVE Ourge ample 2) Sau ttle Type | Mei Perlistar | el255 thod Data ontainers | Purgir | ing Rate in GPM O V O , OV allyses H-Gx, | Dep Equipme 29,7 | oth of ent in Feet | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I | es Method/ | Yes | 2005). | No No No no no no no no no no no no no no no no | <u> </u> |
| Boi VC 0.5 | Comm OVE Purge ample 2) Sau ttle Type DA | Mei Perlistar | eless thod Data ontainers | Purgir () An NWTP BTEX/I | alyses H-Gx, | Der Equipme 29.7 23.4 % | oth of ent in Feet Brok | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I | es Method/ | Yes | Dru | No No m left on s | <u> </u> |
| Boi VC 0.5 | Comm OVE Ourge ample 2) Sau ttle Type | Mei Perlistar | eless thod Data ontainers | Purgir () | alyses H-Dx | Dep Equipme 29,7 | oth of ent in Feet | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I | es Method/ | Yes | | No No No no no no no no no no no no no no no no | <u> </u> |
| Boo VC 0.5 | Comm OVE Purge ample 2) Sau ttle Type DA | Mei Perlistar | el255 thod Data ontainers 8 | Purgir () An NWTP BTEX/I NWTP Total M | alyses H-Dx | Der Equipme 29.7 23.4 % | oth of ent in Feet Brok | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I Total Num Duplicate | es Method/ | Yes | | No No m left on s | <u> </u> |
| Bool VC 0.5 Am | Comm OVE urge ample 2) Sai ttle Type OA G L bber | Merel Stran | CI2SS thod CTL Data ontainers 8 2 | Purgir () An NWTP BTEX/I NWTP Total M | alyses H-Gx, H-Dx Tred MTCA | Der Equipme 29:7 | oth of ent in Feet Brown | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I Total Num Duplicate | es Method/ The of | Yes | | No No m left on s | <u> </u> |
| Boo VC 0.5 Am | Comm OVE urge ample 2) Sai ttle Type OA o L ober | Merel Stran | CI2SS thod CTL Data ontainers 8 2 | Purgir C O NWTP BTEX/I NWTP Total M Metals | alyses H-Gx, H-Dx Tred MTCA | Der Equipme 29,7 23.4 % Perserv. HCI no | oth of ent in Feet Brok | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I Total Num Duplicate SAMPLIN | es Method/ Sample THE (| Yes Yolume Bottles | | No No m left on s | <u> </u> |
| Bool VC 0.5 Am | Comm OVE Purge ample 2) Sai ttle Type OA 5 L bober 5 L poly | Merel Stran | CI2SS thod CTL Data ontainers 8 2 2 | Purgir () () () () () () () () () () () () () | alyses H-Gx, H-Dx Tred MTCA | Der Equipme 29,7 23.4 % Perserv. HCI no | oth of ent in Feet Brok | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I Total Num Duplicate SAMPLIN Field Blan | es Method/ Sample TIME (| Yes Yes Volume Bottles e I.D. ↑ 115 7 | | No No No Market No No No No No No No No No No No No No | <u> </u> |
| Boo VC 0.5 Am | Comm OVE Purge ample 2) Sai ttle Type OA OL Dober S L poly S L Poly 3) Fie | Mel Persistration with the seld Equipment of Co. | thod Data Ontainers 8 2 2 iipment | Purgir () () () () () () () () () () () () () | alyses H-Dx TTCA | Der Equipme 29.7 23.4 IL. III. III. III. III. III. III. III | oth of ent in Feet Brock | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I Total Num Duplicate SAMPLIN Field Blan Rinseate Type/Brand/Serial | es Method/ The of Sample The (| Yes Yes Volume Bottles | Dru | No No No Market No No No No No No No No No No No No No | <u> </u> |
| Bool VC 0.5 | Comm Over Ourge ample 2) Sau ttle Type OA OL Dober OL Do | Mei Perstran W | thod Data Ontainers 8 2 2 iipment | Purgir () () () () () () () () () () () () () | alyses H-Gx, H-Dx Tred MTCA | Der Equipme 29.7 23.4 IL. III. III. III. III. III. III. III | oth of ent in Feet Brock | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal f Total Num Duplicate SAMPLIN Field Blar Rinseate Type/Brand/Serial Temp/pH/E.C./D.O | es Method/ Sample I No./N | Yes Yolume Bottles Bottles I.D. Alateria | Dru | No No No Market No No No No No No No No No No No No No | |
| Bool VC 0.5 | Comm OVE Purge ample 2) Sai ttle Type OA OL Dober S L poly S L Poly 3) Fie | Meine Persistant Meine Persistant Mo of Co | thod Data Ontainers 8 2 2 iipment | Purgir () () () () () () () () () () () () () | alyses H-Gx, H-Dx TCA Reversion | Der Equipme 29.7 23.4 IL. III. III. III. III. III. III. III | oth of ent in Feet Brock | PM 71.63 | Bails dry? At no. of Casing Volume Purge Water Disposal I Total Num Duplicate SAMPLIN Field Blan Rinseate Type/Brand/Serial | es Method/ Sample I No./N | Yes Yes Volume Bottles | Dru | No No No Market No No No No No No No No No No No No No | <u> </u> |

| | Grou | undwa | ater S | amp | ling Da | ata - V | Vell I.L | D. | | DMW | -3IA | | | |
|---------------|------------|-----------------------------|----------|-------------------|---------------------|---------------------------|---------------------|------|---------|------------------|--------------|------------|------------------|--|
| | Project | | | 615 De | xter | | | | Date/T | ime Sampled | d Ma | rch \ | 2 202 | 0 / 1037 |
| | Job No | | | 19409- | | · | | • | | Influenced | - <u>/11</u> | Yes | | Nox |
| | Project | Manager | | M. Dag | el | | | • | - | epth in Feet | | 48.75 | | <u> </u> |
| | Field R | eps. | (| B. Dozi | en B. Lytle | /J. Higgin | s/A. Naka | hara | Screer | ned Interval in | n Feet | | 38.75 to 4 | 8.75 |
| | 1) Pui | rging D | ata/Fie | ld Mea | asureme | ents: Al | l Measu | reme | nts R | elative to 7 | op of C | 0 % | TOC) | 7-0.29 |
| | Well De | epth | | 48.75 | | 12 | | | Casing | g Volume in C | Sallons | | 3,96 | |
| | - | of Sedime | | | | | | | [2" dia | meter = x 0 |).163 gal/ | ft] | | , |
| | = | of Water (| DTW) in | 1 . | 25. | 37, | | | _ | Volume in G | | | 11:00 | 5 |
| | (DTS - | DTW) | | 24. | ٨٦. | | | | Actual | Purge in Gal | llons | | 5.0 |) |
| start 1914 | Time | No. of Gallons Purged | рH | Temp in °C | Conduct in #S/cm | Diss Oxygen in mg/L | Turbidity in NTU | | Comme | ents: Quality. R | Recovery C | Color, Odo | r. Sheen. Ad | ccumulated Silt/Sand |
| 0. | 1155 | 1.0 | 7.42 | 16.3 | 492.5 | 0.54 | | 54.1 | ini | Fially | 1 | ecet | NO | NS |
| | 1207 | | 7,06 | | | 0.20 | 5,10 | -39 | 3 6 | cleer | 7 / 2 | 1)< | , | / 103 |
| | 1917 | | 7.17 | 16.2 | 5587 | 0.18 | 3,3\ | | 5.0 | 11 | <u>, Ю</u> | LI | | |
| | 1228 | | 7,20 | | 165 | 0.15 | 2.88 | | | | | 1, | | |
| SMPI | | 2.0 | 7.21 | \ | 606 | | l | -73 | 1.3 | 10 | 11 | · · | | |
| de | 100 71 | 2,0 | 1-01 | 16.2 | 614 | 0.14 | 2.35 | 772 | . + | | | | | |
| 6 | | <u> </u> | <u> </u> | | | | | | L | | | | | |
| | Comm | ents | | | - | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | 15 | Met | | | ng Rate in GPM | | th of nt in Feet | | Bails o | iry? | 8 | Yes | | No |
| | Purge | sub p | | 0. | - 1 | 39 | 51 | | At no. | of Casing Vo | olumes | | <u> </u> | |
| | Sample | 11 | | l | . 1 | t i | l. | | Purae | Water Dispo | sal Metho | od/Volum | ne Dru | ım left on site |
| | | | | | - | | 1 | | | | | | | |
| | 2) Sai | mpling | Data | | | | | | | | | | | |
| B | ottle Type | No of Co | ntainers | An | alyses | Perserv. | Filter | | | Total | Number | of Bottle | 26 | 7 |
| | | 110 07 00 | | NWTP | H-Gx, | | | | | rotari | 1 4dilibei | OI DOUN | | |
| | OA 5 L | - | 4 | BTEX/I | HVOCs | HCI | no | | | | | | | |
| A | mber | | 1 | NWTP Total M | | no | no | | | Duplic | ate San | nple I.D. | | and the same of th |
| 0. | 5 L poly | | 1 | Metals | | HNO3 | no | E: | | | | | | |
| 0. | 5 L Poly | , | 1 | Dissolv Metals | ed MTCA | HNO3 | yes | | | Field I | Blank I.[|) | | |
| | | | · · · · | Moterio | | | 700 | | | | | | | Management was and for the months of the second sec |
| L | | | _ | | | <u> </u> | |] | | Rinse | ate Sam | iple I.D. | | |
| | 3) Fie | eld Equi | ipment | • | | | | | Туре | e/Brand/Se | erial No | ./Mater | rial/Units | ; |
| | Pump | Type/Tu | bing Ty | pe. | 55 SUB | pump | / PE | | Temp | /pH/E.C./D. | 0 | (SI | DS | 5 |
| | Bailer | | - | | | 1 | | - | • | r Level Prob | | wet | estiv | L. |
| | Filter | | | | 0.45 | um | <u> </u> | | Other | | • | | | |
| | 4) We | ell Cond | ditions | | ОК | Χ | Not OK | |] Exp | lain _ | | | | |
| | | | | | | 7 | | | | | F | ı∪ Standa | ras/Field Fo | rms/GW-Well ID |

| | Grot | ınawa | ater S | amp | iing Da | ata - V | veii i.i | IJ. | DMW-4S | | |
|----------|-----------|--|-----------|---|---------------------|-----------|------------|------------|-------------------------------|--|--|
| | Project | | | 615 De | xter | | | | Date/Time Sampled | March 18 | 2020 |
| | Job No. | | | 19409- | | | | - | Tidally Influenced | Yes | No x |
| | | Manager | | M. Dag | | | | - | Well Depth in Feet | 331 | |
| | Field Re | | | | | J. Higgin | s/A. Naka | - ahara | Screened Interval in Fee | | t |
| | 1) Pui | rging D | | | | | | - | ents Relative to Top o | | |
| | Well De | epth | | | 33' | | | | Casing Volume in Gallon | s l | ,74 |
| | Depth o | of Sedime | ent (DTS) | in Feet | 32.8 | 0' | | - | [2" diameter = \times 0.163 | gal/ft] | |
| | Depth o | of Water (| (DTW) in | Feet | 22. | 151 | | - | Purge Volume in Gallons | Ĺ | 5-2 |
| | (DTS - | DTW) | | | 10.65 | | | _ | Actual Purge in Gallons | | |
| | | No. of | T | | u5/cm | Diss | | <u> </u> |] | | |
| | | Gallons | | Temp | Conduct | Oxygen | Turbidity | | | | |
| HET | Time | Purged | pH | in °C | in-mS/cm | in mg/L | | in m∨ | Comments: Quality, Recove | ery Color, Odor, She | een, Accumulated Silt/Sand |
| /ru | 1445 | 0.1 | 7.58 | 16.3 | 444.2 | 5,39 | 51.32 | 211.7 | IN MINLY CLEAR, NS | , MODELATE | SOLVENT-LIKE DOOR |
| | | | | | | | | | | | 2 |
| | | | | | | | : | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | - | |
| SMPL | | | | | | | | | | | |
| 0, | Camm | anta. | 10.00 | : :::::::::::::::::::::::::::::::::::: | 100 | . 77 (| 1400 447 | كسر - | PASSED 48 Hours | SINIESE | Ver in We |
| | Comm | ents | MIDUIC | <u>~ 431</u> | 1315. | well | - LAPA1 | 100 | PURSCH 10 HOURS | mice pe | vuar · · · |
| | | | | | | <u> </u> | | | | | |
| | | NA | الد م ما | | ng Rate in | | th of | | Daile da O | Vas | |
| Г | | | thod | | 3PM | | nt in Feet | | Bails dry? | Yes | No |
| L | ourge | PERLIST | ALTIC | | | 28'6 | 300 | | At no. of Casing Volume | s | |
| | amanla | ι | 11 | | | ll. | | | Duma Matau Diamagal M | ا ۸ ا م مالام | David laft and all a |
| ு | ample | | | l | · · · , | | | J | Purge Water Disposal M | etnoa/volume | Drum left on site |
| | 2) Sai | mpling | Data | | | | | | | | |
| Во | ttle Type | No of Co | ontainers | An | alyses | Perserv. | Filter | | Total Num | ber of Bottles | 8 |
| Г | | 3, 3, | | NWTP | H-Gx, | | | 1 | . 3307 130111 | | |
| 0.5 | | | 4 | BTEX/I | | HCI | no | - | | | |
| | ber | | 2 | PAHs | · | no | no | | Duplicate S | Sample I.D. | |
| | برامم ا | | 4 | Total M | | LINIO2 | |] | | | |
| 0.0 | L poly | | <u>I</u> | Metals Dissolv | ed MTCA | HNO3 | no | 1 | | | |
| 0.5 | L Poly | | 1 | Metals | | HNO3 | yes | 4 | Field Blank | (I.D. | |
| \vdash | | - | | - | | | | - | Rinseate S | Sample I.D. | |
| | | | | | | <u> </u> | | _ | | · | |
| | 3) Fie | ld Equ | ipment | • | | | , | | Type/Brand/Serial | No./Material/U | Units |
| | Pump | Type/Tu | ubina Tv | pe | PERIST | ALTIC/ | PE | | Temp/pH/E.C./D.O | 451 055 | |
| | Bailer | | ~~···· | | | | | - | Water Level Probe | WATERLI | NE |
| | Filter | • • | | | n_U | 5 MM | | - | Other | and the second s | Market (And Commence of the Andrews (Andrews (An |
| | | LT, | | | | - 10071 | | | - | | APRICONSEQUENCE OF AMERICAN |
| | 4) We | ell Cond | ditions | | OK | L X | Not OK | | Explain | | old Lormal William |



HARTCROWSER Groundwater Sampling Data - Well I.D. __ PMW- 45

| | PROJECT | | ner of buildin 5 Dext | | | DΔT | E/TIME SAM | ADIED - | 2/4/200 | BL 3/19/2020 |
|---------|---|---|---------------------------|---|--|-----------------------------|---|---|--|--|
| | JOB NO. | | <u>- 150x.</u> 1409-04 | | | | LLY INFLUE | | YES | NO X |
| | PROJECT N | | | DAGEL | | | L DEPTH IN | | 33' | |
| | FIELD REPS | s 6 | LAKEL | | | | EENED INT | | -1 1 | 33' |
| | Duraina l | | · | V | | | | | | |
| 0 | ruiging I | Jala/Fieil | | ements: , | Ali Measurei | ments Relati | ve to Top of | Casing (10) | C) | |
| | WELL DEPT | гн | 33' | | | CAS | ING VOLUM | IE IN GALLO | ons 1.7 | |
| | DEPTH TO | | | | | [2 | " diam = x .1 | 163 gal/ft | 4" diam = x .653 | gal/ft] |
| | DEPTH TO | WATER (DT | | | -,281 | PUR | GE VOLUM | E IN GALLO | NS = 5.1 | |
| | (DTS – DTW | /) | · | 0.52 | | ACTI | UAL PURGE | IN GALLO | NS | |
| | | No. of | T | | | Diss. | NN | _ | 7 | 34 |
| | Time | Gallons Purged | pH | Temp in °C | in <u>M6/c</u> | Oxygen in mg/L | Turbidity | ORP in_mV | | uality, recovery, color, odor, neen, accumulated silt/sand |
| T | 1456 | 0.1 | 7.73 | 15.2 | 412.6 | 5.89 | 35.61 | 245.5 | | SULHT SOLVENT-LIKE |
| 1513 | 0313 BL | 0.5 | 7.75 | 15.0 | 416.4 | 5.17 | 35.23 | | CLEME, NS, M. | O DOR SO LYDNY-LIKE |
| | 1532 | 1.0 | 7.69 | 14.9 | 401.7 | 5.50 | 21.07 | 268.3 | | DEVLATE SOLVENT-LIKE |
| | 1* | | | | | | | | | |
| | | | | | | | | | | |
| sample: | | 1.5 : @ 1515 | 7.69 | 15.) | 406.0 | 4.97 IF NON TU | 19.51 281017 DE | 244.6 | ν, υ, ι | \ |
| ample: | | : @ 1515 | 1 | Pumpin | £ ™ 5€€°) | Pepth of | Bo | | Yes | |
| ample: | Comments | : @ 1515 | Roomed po | Me in b care | g Rate D | Pepth of quip. in Feet | 281017 0e | bils dry? | Yes | No |
| ample: | Comments | : @ 1515 | Roomed pe | Pumpin | g Rate D | Pepth of | 281017 0e | ils dry? At no. of c | Yescasing volumes | No |
| ample: | Comments | Method PERISTRE | Roomed pe | Pumpin | g Rate D | Pepth of Equip. in Feet | 281017 0e | ils dry? At no. of c | Yes | No |
| ample: | Comments Purge Sample | Method Perlistra | Roomed pe | Pumpin | g Rate D | Pepth of Equip. in Feet | 281017 0e | ils dry? At no. of c | Yescasing volumes | No |
| ample: | Comments | Method PERISTAN | Roomed pe | Pumpin | g Rate D | Pepth of Equip. in Feet | 281017 0e | ills dry? At no. of corge Water D | Yescasing volumes Disposal Method/V | No |
| ample: | Comments Purge Sample | Method Percustration Data # of Contain | ROOMED PI | Pumpin | g Rate D | Pepth of Equip. in Feet | 281017 0e | ills dry? At no. of corge Water D | Yescasing volumes | No |
| ample: | Purge Sample Sampling Bottle Type | Method PERISTRE # Of Contai | Reported per | Pumpin in GPM | ig Rate DE | Preserv. | Bo | ills dry? At no. of corge Water D | Yescasing volumes Disposal Method/v EFT on S1* | No |
| ample: | Purge Sampling Bottle Type V 04 | Method PERISTAN I Data # of Contai H | ners Ana | Pumpin in GPM | ig Rate DE | Preserv. | Bo Pu Filter No No | ills dry? At no. of corge Water D | Yes | No |
| ample: | Purge Sampling Bottle Type V 04 0.5 L And | Method PERISTAN I Data # of Contai H Dere 2 | ners Ana | Pumpin in GPM yses PH - Dx MTPA A | E TO SEE] IN S | Preserv. HC1 NO HN03 | Filter NO NO | ills dry? At no. of corge Water D Total no. Duplica Field Bl | Yes | No |
| ample: | Purge Sampling Bottle Type V 04 | Method PERISTAN I Data # of Contai H Dere 2 | ners Ana | Pumpin in GPM | E TO SEE] IN S | Preserv. | Bo Pu Filter No No | ills dry? At no. of corge Water D Total no. Duplica Field Bl | Yes | No |
| 2 3 | Purge Sampling Bottle Type V 04 0.5 L And | Method PERISTAN I Data # of Contai H Pere 2 H I U | ners Ana | Pumpin in GPM yses PH - Dx MTPA A | E TO SEE] IN S | Preserv. HCI NO HN03 HN03 | Filter NO NO NO NO NO NO NO NO NO | ills dry? At no. of corge Water D Total no. Duplica Field Bi Rinseat | Yes | No |
| 3 | Purge Sampling Bottle Type VOA 0.5 L And 0.5 L Pot 0.5 L Pot | Method PERISTRI I Data # of Contain PRESERT 2 PRESERT 1 PRESERT 2 PRESERT 1 PRESERT | ners Ana NwT Nw1 D1566 | Pumpin in GPM yses PH - Gx, 151 PH - Dx NEO MICH | E TO SEE] IN S | Preserv. H C1 NO HN03 HN03 | Filter NO NO NO NO NO NO NO NO NO NO NO NO NO | ills dry? At no. of corge Water D DRVM L Total no Duplica Field Bi Rinseat | Yes | No |
| 3 | Purge Sampling Bottle Type V 04 0.5 L And 0.5 L Pot Field Equi | Method PERISTAN I Data # of Contai H PERISTAN I Data # of Contai H PERISTAN I Data | ners Ana NwT Nw1 D1566 | Pumpin in GPM yses PH - Dx MTPA A | E TO SEE] IN S | Preserv. H C1 NO HN03 HN03 | Filter No No Yes Type/Bran emp/pH/E. | ills dry? At no. of corge Water D Duplica Field Bi Rinseat d/Serial I | Yes | No |
| \cup | Purge Sampling Bottle Type VOA 0.5 L And 0.5 L Pot 0.5 L Pot | Method PERISTAN I Data # of Contai H PERISTAN I Data # of Contai H PERISTAN I Data | ners Ana NwT Nw1 D1566 | Pumpin in GPM yses PH - Gx, 151 PH - Dx NEO MICH | E TO SEE] IN S | Preserv. HCI NO HN03 HN03 T | Filter NO NO NO NO NO NO NO NO NO NO NO NO NO | ills dry? At no. of corge Water D Duplica Field Bi Rinseat d/Serial I | Yes | No |

| Grou | ındwa | ter S | amp | ling Da | ata - V | Vell I.I | D. | DMW-5IA | <u> </u> | |
|----------|---|--|--|--|--|--|---|---------------------------------------|--|---|
| Project | | | 615 De | xter | | | | Date/Time Sampled | March 18 | 2020 |
| Job No. | | | 19409- | 04-05 | | | • | Tidally Influenced | Yes | No x |
| Project | Manager | | M. Dag | el | | | • | Well Depth in Feet | 49.6 | |
| Field Re | eps. | | B. Dozi | er/Ø. Lytle | J) Higgin | ıs/A. Naka | hara | Screened Interval in Fe | et 39.6 | to 49.6 |
| 1) Pur | ging Da | ata/Fie | ld Mea | asureme | ents: Al | ll Measu | ireme | ents Relative to Top | of Casing (TOC | ;) |
| Well De | pth | | 49.6 | | | | | Casing Volume in Gallo | ons | .9 |
| Depth o | f Sedime | nt (DTS) | in Feet | 49.7 | 51 | | • | = | | |
| Depth o | f Water (| DTW) in | Feet | 38.00 | 7 | * | • | | | 5.7 |
| (DTS - I | OTW) | | | 11.66 | | | | Actual Purge in Gallons | | 9 |
| | No. of | | | n5/cm | Diss | | [. | | | |
| Time | | ~L | | | Oxygen | | | Commenter Ovelite Deser | | |
| | | | | | | | | | | en, Accumulated SilvSand |
| 1606 | 0-1 | 8,77 | 15.9 | 280-2 | 1.53 | 25.70 | 130.0 | INITIALLY CLEAR, | NO'NZ | · . |
| | | | | | | | | | | . |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | · | - | · · · · · · · · · · · · · · · · · · · | | <u></u> |
| 8 | | | | | | <u> </u> | <u></u> | 77 | | |
| Purge | Maryoo | $\overline{\cap}$ | | | | | | Bails dry? At no. of Casing Volum | Yes 💥 | No |
| | 1 (| | | | IC | | • | | | Drum left on site |
| 2) Sar | nplina | Data | | | | | • | | | |
| | | | | | |] | 1 | | | |
| tle Type | No of Co | ntainers | | | Perserv. | Filter | | Total Nur | nber of Bottles | 7. |
| A | | 4 | 1 | | HCI | no | | | | |
| L | | | | | | | 1 | B . 0 | 0 | |
| per | - | 1 | | | no | no | 1 | Duplicate | Sample I.D. | |
| L poly | | 1 | Metals | | HNO3 | no |] | | | |
| L Poly | 76. | 1 | 1 | ed MTCA | HNO3 | ves | | Field Blar | nk I.D. | |
| | - | | | | | | | | | |
| | | | L | | <u> </u> | | J | Kinseate | Sample I.D. | |
| 3) Fie | ld Equi | pment | | | | | | Type/Brand/Seria | l No./Material/U | Inits |
| Pump | Type/Tul | bing Tyլ | ре | 55 5UB | Morsig | LE /PE | _ | Temp/pH/E.C./D.O | 451 055 | . · · |
| Bailer ` | Туре | | | | | | | Water Level Probe | | ϵ |
| | | | | 0.4 | 5 MM | | - | Other | | |
| Filter T | yhe. | | | 0. | 1000 | | | Othici | | |
| | Project Job No. Project Field Re 1) Pur Well De Depth of (DTS - I Time Ib 0 o Command Purge ample 2) Sar ttle Type A L ber L poly L Poly 3) Fie Pump | Project Job No. Project Manager Field Reps. 1) Purging Da Well Depth Depth of Sedime Depth of Water (I (DTS - DTW) No. of Gallons Purged Ib 0 0 1 Comments Mett Purge 55 50 ample 11 2) Sampling a ttle Type No of Co A L ber 1 L Poly 3) Field Equi | Project Job No. Project Manager Field Reps. 1) Purging Data/Fie Well Depth Depth of Sediment (DTS) Depth of Water (DTW) in (DTS - DTW) No. of Gallons Purged pH Ib 06 0-1 8-7-7 Method Purge 55 5-8 ample 11 2) Sampling Data ttle Type No of Containers A 4 L poly 1 L Poly 1 3) Field Equipment Pump Type/Tubing Type Type/Tubing Type Pump Type/Tubing Type | Project Job No. 19409- Job No. 19409- Project Manager M. Dag Field Reps. B. Dozi 1) Purging Data/Field Mea Well Depth 49.6 Depth of Sediment (DTS) in Feet Depth of Water (DTW) in Feet (DTS - DTW) No. of Gallons Purged pH in °C Ibole 0-1 8.77 I5.9 Method Purging Method Purge 55 S-B ample II 2) Sampling Data ttle Type No of Containers An NWTPI A 4 BTEX/F Iber 1 NWTPI Total Metals IL poly 1 Metals 3) Field Equipment Pump Type/Tubing Type | Project Job No. 19409-04-05 Project Manager M. Dagel Field Reps. B. Dozier/B. Lytte 1) Purging Data/Field Measureme Well Depth 49.6 Depth of Sediment (DTS) in Feet 49.7 Depth of Water (DTW) in Feet 39.00 (DTS - DTW) II.46 No. of Gallons Temp conduct in mS/cm I to De D. J 8.77 15.9 380.5 Comments Purged pH Purging Rate in GPM Purging Rate in GPM Purging Pata Purge 55 508 ample II 2) Sampling Data title Type No of Containers Analyses NWTPH-GX, BTEX/HVOCs L beer 1 NWTPH-DX Total MTCA Metals Dissolved MTCA Metals 3) Field Equipment Pump Type/Tubing Type 55 506 | Project Job No. 19409-04-05 Project Manager Field Reps. B. Dozier/B. Lytle/J. Higgir B. Dozier/B. Lytle/J. Higgir J. Purging Data/Field Measurements: All Well Depth 49.6 Depth of Sediment (DTS) in Feet 49.75! Depth of Water (DTW) in Feet 39.09 (DTS - DTW) II. Lytle/J. Diss Gallons Purged PH in °C In. Market in mg/L. Is 9.00 I was a sequence of the control of the c | Project G15 Dexter Job No. 19409-04-05 Project Manager M. Dagel Field Reps. B. Dozier/F. Lytle/J) Higgins/A. Nake ### April 19409-04-05 ### April 19409-04-04-05 ### April 19409-04-04-05 ### April 19409-04-04-04-04-04-04-04-04-04-04-04-04-04- | Job No. 19409-04-05 M. Dagel | Project Job No. 19409-04-05 Tidally Influenced Well Depth in Feet B. Dozier/P. Lytle/J. Higgins/A. Nakahara Screened Interval in Feet Screened Interval in Feet J. Purging Data/Field Measurements: All Measurements Relative to Top Well Depth of Sediment (DTS) in Feet J. J. S. J. J. S | Project Side Dester Date/Time Sampled March Side Septiment Se |



HARTCROWSER Groundwater Sampling Data - Well I.D. DMW-SIA

| 1 | (e.g., 20' N PROJECT | | Dekter | y A) | | DAT | E/TIME SAM | IPLED ~ | 3/18/2020 3/19/2020 1 |
|----------------|--|--|--|---|--|--|---|---|--|
| | JOB NO. | | 09-04-1 | 95 | | | LLY INFLUE | | YES NO X |
| | PROJECT N | | • | | | | L DEPTH IN | | 49.6 |
| | FIELD REPS | | B. Lyru | | | | | - | EET 39.6 TO 49.6 |
| $\overline{}$ | | | | | All Measuren | | | | |
| \cup | WELL DEPT | | 49.6 | emems. | All Measuren | | | | ons 1.9 |
| 57 | DEPTH TO | SEDIMENT | (DTS) IN FE | ET 50, | ,23 | | • | | 4" diam = x .653 gal/ft] |
| | DEPTH TO | | | | 3.71 | | GE VOLUME | - | , m |
| | (DTS – DTV | | - | | | | UAL PURGE | | 1 |
| | | No. of Gallons | | Temp | Conduct | Diss. Oxygen | | ORP | Comments: quality, recovery, color, odo |
| | Time | Purged | 8.86 | in °C | in <u>m S /cm</u> | 1 | | in wV | sheen, accumulated silt/san |
| Γ | INSB | 0.1 | - | 15.7 | 421,2 | 2.18 | 25.13 | 300.7 | IMITHUY CLEAR, MO, NS |
| - | 1237 | 1,0 | 8.96 | 16,6 | + | 1.66 | 38.40 | 200.9 | chere NO NS |
| | 1321 | 1.5 | 8.92 | 16.2 | 427.6 | 3.95 | 72,52 | 122.6 | |
| 1 | 1 | | | | | 1 | 1 | | |
| | | | LNED DUMP | 15 LOW AS | | to Kar Flo | W B UT NOT | - only we | Stightly tubid |
| | Comments | 5: @ 1700 To | LNED DUMP | NEONSISTEM | possible 1 | EXP FLOOR | W B UT NOT | - only we | The @1225 Flow Stopped and water were is continued on B |
| | Comments | 5: (2) 1238 15.16 '(2) 1238 Method | ened pump | Nearly Start | possible 17, Must v.e. | EXP FLOOR FLOOR MUNICIPALITY FLOOR F | W B UT NOT | - 024 WE @1242 CC | The @1225 Flow STOPPED AND WATER LEVEL IS CONTINUED ON B |
| | Comments | Method 55 5/8m | ened pump | Neansistern Pumpir in GPN LO | possible To Augranian Augr | epth of quip. in Feel | NB OT NOT | CIZY NO. OF CORRECT CO. | TL. @1225 FLOW STOPPED AND WITHER WELLING PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B Yes No Casing volumes Disposal Method/Volume |
| | Comments | 5: (2) 1238 15.16 '(2) 1238 Method | ened pump | Nearly Start | possible To Augranian Augr | EXP FLOOR FLOOR MUNICIPALITY FLOOR F | NB OT NOT | CIZY NO. OF CORRECT CO. | TLE @1225 FLOW STOPPED AND WITHER WELLING PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B Yes No Casing volumes |
| · Lawe | Comments 844 1 p 4 Purge Sample | Method 55 5 5 48 | ened pump | Neansistern Pumpir in GPN LO | possible To Augranian Augr | epth of quip. in Feel | NB OT NOT | CIZY NO. OF CORRECT CO. | TL. @1225 FLOW STOPPED AND WITHER WELLING PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B Yes No Casing volumes Disposal Method/Volume |
| · Lawe | Comments | Method 55 5 5 5 6 7 Data | ened pump | Neansistern Pumpir in GPN LO | possible To Augranian Augr | epth of quip. in Feel | NB OT NOT | ORY WE ORY WE ORIGINAL OF CO OR OR | TLE @1225 FLOW STOPPED AND WITTER WHELME PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B YES NO Casing volumes Disposal Method/Volume LEPT ON SITE |
| 2 | Comments 844 1 p 4 Purge Sample | Method 55 5 5 5 5 5 Data # of | eneo pump ELON IS (| Neansistern Pumpir in GPN LO | possible To Augranian Augr | epth of quip. in Feel | NB OT NOT | ORY WE ORY WE ORIGINAL OF CO OR OR | The C1225 Flow stopped Am water over 15 Continued on B Yes No Disposal Method/Volume LEPT on 5 ITE |
| 2 | Purge Sampling Bottle Type | Method 55 5 JBM 55 5 JB 7 Data # of Conta | ENED PUMP FLOW 15 (M-5/BLE iners Ana NWT | Pumpir in GPM | possible Tr. Aust Ve | epth of quip. in Feet 11 Preserv. H.C.I. | Bo Pu | OLY NO OF OUR PROPERTY OF TOTAL IN | TL @1225 FLOW STOPPED AND WITERED WELLING PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B Yes No Casing volumes Disposal Method/Volume LEPT ON SITE umber of Bottles 7 |
| 2 | Purge Sampling Bottle Type | Method 55 5 JBM 55 5 JBM 7 Data # of Conta | ENER PUMP ELOW IS (MS/BLE iners Ana NWT | Pumpir in GPM LOV 45 Pumpir in GPM LOV LOV LOV LOV LOV LOV LOV LO | POSSIBLE TO MUST KEEPING Rate Did HOUSE TO A HOUSE STATE | epth of quip. in Feel 11 Preserv. H Cl | Filter | OLUM Total ni Duplica | TLE @1225 FLOW STOPPED AND WITTER WHELME PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B YES NO Casing volumes Disposal Method/Volume LEPT ON SITE |
| 2 | Purge Sampling Bottle Type VoA 0.5 L AMS | Method 55 5 5 5 6 9 Data # of Conta | ENER PUMP FLOW IS (MSGREE iners Ana NWT | Pumpir in GPM LOV 45 Pumpir in GPM LOV LOV LOV LOV LOV LOV LOV LO | POSSIBLE TO MUST KEEP POSSIBLE TO A POSSIBLE | epth of quip. in Feet House Answer Preserv. Hol | Filter NO NO NO NO NO NO NO NO NO N | Plant | TLE CIZZS FLOW STOPPOD AND WITTER CONTINUED ON B Yes No Casing volumes Disposal Method/Volume LEPT ON SITE umber of Bottles 7 ate Sample I.D. lank I.D. |
| 2 | Purge Sampling Bottle Type | Method SS SJBM SS SJBM G Data # of Conta U ER 1 DUY 1 | ENER PUMP FLOW IS (MS,BLE iners Ana NWT | Pumpir in GPM LOV 45 Pumpir in GPM LOV LOV LOV LOV LOV LOV LOV LO | POSSIBLE TO MUST KEEPING Rate Did HOUSE TO A HOUSE STATE | epth of quip. in Feet Ho 47.L Preserv. H Cl NO H NO3 | Filter NO NO NO NO NO NO NO NO NO N | C1242 CC iils dry? At no. of corge Water D DLJ M Total no Duplica Field B Rinsea | TLE CIZZS FLOW STOPPED AND WITTER WEELING PUMP TO 46.6. WATER LEVEL IS CONTINUED ON B YES NO Casing volumes Disposal Method/Volume LEFT ON 5 ITE umber of Bottles 7 |
| 2) 2/2 3 | Purge Sampling Bottle Type VoA 0.5 L AMB | Method SS SJ&M SS SJ&M SS SJ&M SS SJ&M I of Conta ER 1 DUM 1 DUM 1 DUM 1 DUM 1 | ELOW IS (MSBLE iners Ana NWT | Pumpir in GPM Pumpir in GPM LO LO LO LO LO LO LO LO LO L | POSSIBLE TO MUST KEEP POSSIBLE TO A POSSIBLE | epth of quip. in Feet 47.1 | Filter NO NO NO NO NO NO NO NO NO NO NO NO NO | CIZUZ CO CIZUZ CO cills dry? At no. of ourge Water D CAUM Total ni Duplica Field B Rinsea ad/Serial I | TLE CITES FLOW STOPPOS AND WITTER CONTINUED ON B Yes No Casing volumes Disposal Method/Volume LEPT ON SITE umber of Bottles Atte Sample I.D. lank I.D. te Sample I.D. |
| 2 2 3 | Purge Sampling Bottle Type VoA 0.5 L AMA 0.5 L P Field Equ | Method SS SJ&M SS SJ | ELOW IS (MSBLE iners Ana NWT | Pumpir in GPM Pumpir in GPM LO LO LO LO LO LO LO LO LO L | POSSIBLE TO MUST KEEP POSSIBLE TO A POSSIBLE | epth of quip. in Feet 110 47.1. Preserv. H Cl. NO. H MO3. | Filter NO NO Pu Filter NO NO YES VPE/Bran Femp/pH/E. | Total ni Duplica Field B Ad/Serial I | TLE CITES FLOW STOPPOS AND WITTER CONTINUED ON B Yes No Casing volumes Disposal Method/Volume LEPT ON SITE umber of Bottles Atte Sample I.D. lank I.D. te Sample I.D. |
| 2) A 3 | Purge Sampling Bottle Type VoA 0.5 L AMB | Method 55 5 5 6 9 Data # of Conta Conta Unipment e/Tubing T e | ELOW IS (MSBLE iners Ana NWT | Pumpir in GPM Pumpir in GPM LO LO LO LO LO LO LO LO LO L | POSSIBLE TO MUST KEEP POSSIBLE TO A POSSIBLE | epth of quip. in Feet 47.1 | Filter NO NO NO NO NO NO NO NO NO NO NO NO NO | Total ni Duplica Field B Ad/Serial I | TLE CITES FLOW STOPPOS AND WITTER CONTINUED ON B Yes No Casing volumes Disposal Method/Volume LEPT ON SITE umber of Bottles Atte Sample I.D. lank I.D. te Sample I.D. |

Comments

- Q1314 TALLED TO MALISSA. LOWERUNG PUMP 1/2 AND, IF FLOW CAN BE MAINTAINED, WILL SAMPLE W/OUT STABLE PALAMOTERS. Q1346 PRUSING LEAVING PUMP IN WELL (PER MALISSA) AND LOTTING WELL RELIMIGE. WILL SAMPLE DAW-45
- (PER CALL W/ MALISA). ACCORDING TO THE LAB, AMBOR BOTTLES NEED 1/2 BOTTLE MINIMUM, POLY BOTTLES ID ML PROFINGING TO THE LAB, EVILL.



HARTCROWSER Groundwater Sampling Data - Well I.D. DMW-5TA

| PROJE | | | 4 Encen | | wat - 1) 61 | KYL-DATE | TIME SAM | - | 10/14/2020 |
|------------------------------|--------------------------|---|------------|-----------------|------------------|---|---------------|---|--|
| JOB N | - ' | | 194090 | // | | | LY INFLUE | | YES NO K |
| PROJE | ECT M | ANAGER | M GOODA | | PALEL | | DEPTH IN | - | 50' |
| FIELD | REPS | | B LyTT | LE | | SCRE | ENED INTE | RVAL IN FI | EET 40-50 1 |
| Purgi | ing D | ata/Field | Measure | ements: | All Measure | ments Relativ | e to Top of C | Casing (TO | C) |
| | | | 50 | | | | | | |
| | DEPTI | - | | | oil Bro | - | NG VOLUM! | | |
| | | EDIMENT (| | | | | diam = x .10 | | 4" diam = x .653 gal/ft] |
| | | VATER (DT | | 123/ | .87 B TO | | SE VOLUME | | 1 1 7 |
| (DTS - | – ptw |) | | 123 | | ACTU | JAL PURGE | IN GALLO | NS 1.51.5 |
| | | No. of | | | | Diss. | | | T |
| Time | e | Gallons Purged | рН | Temp in °C | Conduct in MS/CM | Oxygen in mg/L | Turbidity | in MV | Comments: quality, recovery, co |
| 1349 | | 0-[| 7.66 | 17.2 | 0.502 | 2.12 | 29.32 | -10.8 | INITIALLY CLEAR, NO, NS |
| 142 | _ | 1,0 | 7.43 | 18.1 | 0.504 | | 23.04 | 6.1 | CLEAR, NO, NS |
| 1511 | | ~1.3 | · · · · · | 7 9 ** | · · | 1 | | | 7.7. |
| 1011 | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | 1 |
| | | 1110 | | | | | | | |
| | nments | 410 Well On | LAWS WATER | 1.00m | QUICKLY | , plan is A | s law hs (| PurpAllo | WS. KEPT WATERLINE DOWN |
| Com | nments | : WELL OF | | | | | | |). DECREASED TO 30 NTV AFTER 5 MI |
| Com | nments | : WELL OF | | ~ ory. 1430 | NESIDITY | SHOT UP AF | TEPL GALL | N (60 NTU) |), DECREASED TO 30 MY AFREL 5 MI |
| Com | nments | : WELL OF | | ~ ory. 1430 | ing Rate I | SHOT VF AF Depth of Equip. in Feet | TRYL GALL | N (ഗസ്) |), DECREASED TO 30 MT AFFREL S.M.I. CONTINUED ON BALL YES NO |
| Com | nments - Levet | SO PUP | oes M W | Pumpi in GPI | ing Rate I | SHOT UP AF | Bo | ils dry? At no. of |), DECREASED TO 30 MT AFFRE 5 M I CONTINUED ON BACK Yes NO casing volumes/, O |
| Com | nments - Levet | 50 PMP (| oes no wi | Pumpi in GPI | ing Rate II | SHOT VF AF Depth of Equip. in Feet | Bo | ils dry? At no. of | Yes No Casing volumes/, O |
| Com | nments - Levet | So Purp S Method | oes no wi | Pumpi in GPI | ing Rate II | Depth of Equip. in Feet | Bo | ils dry? At no. of | Yes No Casing volumes/, O |
| Purg | nments - Levet ge | Method SS SUBM | oes no wi | Pumpi in GPI | ing Rate II | Depth of Equip. in Feet | Bo | ils dry? At no. of | Yes No Casing volumes/, O |
| Purg | nments - Levet ge | Method 55 SUSM Data | oes no wi | Pumpi in GPI | ing Rate II | Depth of Equip. in Feet | Bo | ills dry? At no. of arge Water I | Yes No CONTINUED ON BALL Yes No casing volumes |
| Purg Sam | ge mple | Method 55 Sus M Data # of | oes m wi | Pumpi in GPI | ing Rate II | Depth of Equip. in Feet | Bo | ills dry? At no. of arge Water I | Yes No CONTINUED ON BALL Yes No casing volumes |
| Purg Sam | nments - Levet ge | Method 55 SUSM Data # of Conta | iners Ana | Pumpi in GP! | ing Rate II | SHOT VP AF Depth of Equip. in Feet 45' BTP C | Bo Pu | ills dry? At no. of arge Water I | Yes X No casing volumes 1.0 Disposal Method/Volume 1.3 6A L number of Bottles |
| Purg Sam | ge mple mpling | Method 55 SUSM Data # of Conta | iners Ana | Pumpi in GP! | ing Rate [M | SHOT VP AF Depth of Equip. in Feet 45' BTP C | Bo Pu | ills dry? At no. of arge Water I OM - SITE Total ri | Yes X No casing volumes 1,0 Disposal Method/Volume 2,0 phum 1,3 6A L ate Sample I.D. |
| Purg Sam | ge mple mpling | Method 55 SUSM Data # of Conta | iners Ana | Pumpi in GP! | ing Rate [M | SHOT VP AF Depth of Equip. in Feet 45' BTP C | Bo Pu | ills dry? At no. of arge Water I ON - SITE Total r Duplic Field E | Yes No |
| Purg Sam | ge mple mpling | Method 55 SUSM Data # of Conta | iners Ana | Pumpi in GP! | ing Rate [M | SHOT VP AF Depth of Equip. in Feet 45' BTP C | Bo Pu | ills dry? At no. of arge Water I ON - SITE Total r Duplic Field E | Yes X No casing volumes 1,0 Disposal Method/Volume 2,0 phum 1,3 6A L ate Sample I.D. |
| Purg Sam Bott | ge mple mpling LATBA | Method So Purp II Method SS SUSM Data # of Conta | iners Ana | Pumpi in GP! | ing Rate [M | Depth of Equip. in Feet 45' BTPC | Bo Pu | ills dry? At no. of arge Water I OM - SCITE Total ri Duplic Field E Rinsea | Yes No |
| Purg Sam Bott 0&L | ge mple ttle Type L AFBa | Method 55 Susm Data # of Conta | iners Ana | Pumpi in GP! | ing Rate [M] | Depth of Equip. in Feet 45' BTPC | Bo Pu | ills dry? At no. of arge Water I OM - SCITE Total ri Duplic Field E Rinsea | Yes No |
| Purg Sam Bott 0&L | ge mple ttle Type L AFBa | Method So Purp II Method SS SUSM Data # of Conta | iners Ana | Pumpi in GP! | ing Rate [M] | Depth of Equip. in Feet 45' BTP C Preserv. | Bo Pu | Total ri Duplice Rinsea | Yes X No casing volumes 1.0 Disposal Method/Volume 2 Disposal Method/Volume 3 6A L Material Units 1, 251 DSS Pro |
| Purg Sam Bott 0 & L | ge mple ttle Type L AFBa | Method 55 Susm Data # of Contage Contage Inprent e/Tubing T | iners Ana | Pumpi in GP! | ing Rate [M] | Preserv. | Filter | ills dry? At no. of arge Water I OM - SOTE Total r Duplic Field E Rinsea | Yes No |

COMMENTS

1437 worth Level retribes pump AT 45', where pump 1 pt.

1440 WATER LEVEL AT PUMP, LOWGED TO ~ 47 FT.

1443 WATER AT PUMP, contr to ~481, WILL BE HURD to CONTRUCT PURES, CALLING

1500 WILL CONTINUE TO PUMP WELL "COMPLETELY MY", THEN'S PUMBE FOR TODAY.

ACTUAL TOMORROW & SAMPLE VW/OUT WATTING FOR SM318 PARAMETERS

PER M GOODMAN /M DATOEL.

1510 WELL WILL NOT PRODUCE EVEN WHEN PUMPING VOLKEY IN CHEASED



HARTCROWSER Groundwater Sampling Data - Well I.D. DMW-5IA

| PROJECT | 19 | 40904 | Morle | or MEBA | BLOCK DATI | E/TIME SAM | PLED | 10/15/2020 0844 |
|--------------------------------------|--|---------------------------------------|-----------------|------------|-----------------------------|------------------|---|--|
| IOB NO. | | 942904/ | 10 | | TIDA | LLY INFLUE | NCED | YES NOX |
| PROJECT M | ANAGER | M DAO | er /M. | GOOM | WEL | L DEPTH IN | FEET | 50 ' |
| FIELD REPS | B | LYTLE | | | SCR | EENED INTE | ERVAL IN F | EET 40-50' |
| Pu rg ing D | ata/Field | Measure | nents: | All Measur | rements Relati | ve to Top of (| Casing (TO | C) |
| WELL DEPT | н | 50' | | | CAS | ING VOLUM | E IN GALL | ons/, 33 |
| DEPTH TO S | SEDIMENT (| (DTS) IN FEE | т <u></u> : | 50.// | BTE [2 | " diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| DEPTH TO V | VATER (DT | W) IN FEET | 4 | 1-96 B | STOC PUR | GE VOLUME | E IN GALLO | ons <u>4.0</u> |
| (DTS – DTW |) | 8. | 14 | | ACT | UAL PURGE | IN GALLO | NS 0.1 |
| | No. of Gallons | | Temp | Conduc | Diss. | | ORP | Comments: quality, recovery, color, or |
| Time | Purged | pH | in °C | ln | in | Turbidity | in | sheen, accumulated silt/s |
| | | | | | | | | |
| | | | | | | | | |
| | 1 | · · · · · · · · · · · · · · · · · · · | | l l | Ļ | 1 | 1 | |
| Comments | : No (| 2 MAMETE | rs ta | Ken as | . WELL A | uns ony | , DGA | PROJECT MANAGERS |
| Comments | - | > Mumete | Pumpi | ng Rate | Depth of | Вс | oils dry? | YesK No |
| | Method | | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Bo | oils dry? At no. of | Yes K No |
| Comments Purge Sample | Method | MBUSIBLE | Pumpi in GPN | ng Rate | Depth of | Bo | oils dry? At no. of | YesK No |
| Purge | Method SS SVB VA | MBUSIBLE | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Bo | Dils dry? At no. of urge Water אני איט | Yes K No |
| Purge Sample | Method SS SVB VA Data # of | MBLSIBLE | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Bo | Dils dry? At no. of urge Water אני איט | Yes K No No Disposal Method/Volume |
| Purge Sample Sampling | Method 55 5 VB VA 7 Data # of Conta | MBLSIBLE | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Bo | At no. of At no. of urge Water אני איני Total : | Yes K No |
| Purge Sample Sampling Bottle Type | Method 55 5 VB VA 7 Data # of Conta | M&&SIBLE | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Bo | Dils dry? At no. of arge Water אר ביו דפי | Yes K No No Casing volumes I No Disposal Method/Volume No.1 ball N |
| Purge Sample Sampling Bottle Type | Method 55 5 VB VA 7 Data # of Conta | M&&SIBLE | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Bo | At no. of At no. of urge Water אר ב אר ב Total : Duplic Field | Yes K No |
| Purge Sampling Bottle Type O-S L AME | Method SS SVB VA Data # of Conta | M&&SIBLE | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Filter | Total s | Yes No No casing volumes I Disposal Method/Volume No.1 ball No.1 b |
| Purge Sampling Bottle Type O-S L AMB | Method SS SVB VA Data # of Conta BMA 2 | MRKSIBLE iners Analy | Pumpi in GPN | ng Rate | Depth of Equip. in Fee | Filter Type/Bran | Total a | Yes K No |
| Purge Sampling Bottle Type O-S L AMB | Method \$\int \sigma \text{SUB} U Data # of Conta AND 2. Lipment e/Tubing T | iners Analy | Pumpi in GPN | ng Rate | Depth of Equip. in Fee 45 1 | Filter Type/Brar | Total a Rinse and/Serial | Yes K No Casing volumes I Disposal Method/Volume OLM / NO.1 BAL Disposal Method/Volume OLM / No.1 BAL No.1 Balank I.D. I No./Material Units |
| Purge Sampling Bottle Type O-S L AMB | Method SS SVB VA Data # of Conta Ava 22 uipment e/Tubing T | MRKSIBLE iners Analy | Pumpi in GPN | ng Rate | Depth of Equip. in Fee 45 1 | Filter Type/Bran | Total a Rinse and/Serial | Yes No No casing volumes I Disposal Method/Volume No.1 ball No.1 b |

| | Grou | ındw | ater S | amp | ling Da | ata - V | Vell I.L | D. | DMW-6 | | | |
|-----------|-----------|-------------|-----------|-------------------|-----------------|------------|------------|-------|-------------------------------|---------------------|--|--|
| | Project | | 12 | 615 De | xter | | | | Date/Time Sampled | March 16 | 2020 | 0954 |
| | Job No. | | | 19409- | 04-05 | | | | Tidally Influenced | Yes | 7 | Nolx |
| | Project | Manage | r | M. Dag | el | | | • | Well Depth in Feet | 43.25 | | |
| | Field Re | = | | | | /J. Higgin | s/A. Naka | ahara | Screened Interval in Fe | | 5 to 43.25 | |
| | | - | ata/Fie | | | | | | ents Relative to Top | | | 0.251 |
| | Well De | pth | | 43.25 | | | | | Casing Volume in Gallo | ns 2 | 79 | |
| | Depth o | f Sedime | ent (DTS) |) in Feet | 44; | 741 | | • | [2" diameter = $\times 0.163$ | | | |
| | Depth o | f Water | (DTW) in | Feet | 24. | 7661 | ·. | | Purge Volume in Gallon | | 77. | |
| | (DTS - I | OTW) | | -44 | 741 B | D 15 | -86° | | Actual Purge in Gallons | | | |
| 1 = | | No. of | | Ţ | | Diss | l | | | | | |
| は一段 | Time | Gallons | l | Temp | Conduct | Oxygen | | ORP | | | | |
| 7 | | Purged | pH | in °C | in m8/cm | | | | Comments: Quality, Recov | ery Color, Odor, Sh | een, Accumu | ılated Silt/Sand |
| | 0918 | 1.0 | 6.03 | 15.3 | 373.0 | 3,11 | 13.20 | 236 | | clear, NO | N2_ | <u> </u> |
| | 0426 | 2,0 | 5.94 | 15.4 | 428.0 | 1.29 | 5.74 | 158. | U1 | D, NS | | |
| | 0933 | 3.0 | 6.00 | 15.4 | 428.2 | 11.17 | 4,31 | 138 | O clear, N | 0, NS | | |
| | 0941 | 4.0 | 6.05 | 15.5 | 436.1 | 0.87 | 3,57 | 127 | 9 Cleder, N | O, NS | | |
| 7 | 0947 | 5.0 | 6.06 | 15.6 | 441.9 | 0.69 | 3,00 | 121. | 4 11 " | · h | | |
| SMPL+ | 0956 | 6.0 | 6.04 | 15.5 | 437,2 | 0.74 | 250 | 118 | .9 n n | | | |
| | Comm | ents | 15. | | | | | | | | 9. | |
| | Commi | Onto | | . | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | Purain | g Rate in | Den | th of | FYM | ntoc | | | |
| , | | | thod | | SPM | | nt in Feet | | Bails dry? | Yes | | No No |
| | ourge | Mansa | pump | 0. | . \ | 36. | 5 | 0 | At no. of Casing Volume | 00 | | _ |
| <u>'</u> | uige | l | + | | <u></u> | - 1 | | | At no. of Casing Volume | 55 | | _ |
| S | ample | | <u> </u> | | | , , | | | Purge Water Disposal N | /lethod/Volume | Drum lef | t on site |
| | 2) San | npling | Data | | | | | | | | | |
| | | | | | | | | | | | | _ |
| Bot | ttle Type | No of Co | ontainers | NWTPI | alyses H-Gx, | Perserv. | Filter | | I otal Num | nber of Bottles | - | 7 |
| VO | | | 4 | BTEX/ | | нсі | no | | | | | |
| 0.5 Am | ber | | 1 | NWTPI | H-Dx | no | no | | Duplicate | Sample I.D. | | And the second s |
| n 5 | L poly | | 1 | Total M Metals | TCA | HNO3 | no | | · | • | | |
| | | | | Dissolv | ed MTCA | | no | | | | | |
| 0.5 | L Poly | | 1 | Metals | | HNO3 | yes | | Field Blan | k I.D. | ************************************** | Bladdings of new transfer of the State of th |
| | | | | | | | | Λ | Rinseate | Sample I.D. | * Same | And the state of t |
| | 3) Fie | ld Equ | ipment | . | | | 96 | | Type/Brand/Serial | No./Material/ | Units | , |
| | D | T 1 | ح مناطع | | (1. C) M | DIDC | | | T/-11/E 0 /D 0 | UKT No | < | ~ P |
| | | • • | ubing Ty | pe | mya | KILE | | | Temp/pH/E.C./D.O | AST NO | D | |
| | Bailer | | | | DUE | | | - | Water Level Probe | UKITO TO | 161 | * |
| | Filter T | ype | | | 0.47 | un | | - | Other | | <u>କ୍ଷ୍ୟଟ.</u> | |
| | 4) We | II Cond | ditions | | ÓΚ | X | Not OK | | Explain | | | |
| | ** | | | | | 7 | • | | • • —— | HC Standards/F | ield Forms/G | W-Well ID |



HARTCROWSER Groundwater Sampling Data - Well I.D. DMW-7S

| | | | C. (for new v | | | | | | | - | | - |
|---------|-------------|-----------------------------|--|--|-----------------|--|---------------|----------------------|-----------------------------|----------------------------|--------------|---------------|
| | PROJECT | | cer Megab | | • | DÁT | E/TIME SAN | //PLED | 11/2/2020 | 0956 | , | |
| | JOB NO. | 194 | 0904 | Ε, | | TIDA | LLY INFLUI | ENCED - | YES | NO | × | |
| | PROJECT I | MANAGER | M Dag | gel/M Goo | dman | WEL | L DEPTH IN | I FEET | | | | |
| | FIELD REP | s BL | YTLE | | | SCR | EENED INT | ERVAL IN F | EET 28- | 38 | | _ |
| 1 | Purging | Data/Fiel | d Measure | ements: / | All Measure | ments Relati | ve to Top of | Casing (TO | C) | | | |
| | WELL DEP | | 381 | | A 12 | _ | | IE IN GALLO | | = x .653 gal/ft] | | |
| | | | (DTS) IN FE | | 9./0 | | " diam = x .′ | _ | | | | |
| | | | rw) in feet 10.01 | | 8.09 | | | E IN GALLO | | 30 | | |
| | (DTS – DTV | V) | 10.01 | · · | | ACT | JAL PURGE | E IN GALLON | NS | 3.0 | | |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in us/o | | Turbidity | ORP in <u></u> •√ | Comments: | quality, re | covery, cole | or, odor, |
| INITIAL | 0859 | 0-1 | 7.54 | 16.4 | 496.9 | 5.46 | 62,42 | 93,7 | INITIACLY SL | | , | |
| | 0920 | 1.0 | 7.13 | 17,8 | 499.4 | | 18.21 | -11.5 | CLEAR, NO | | , , , , | , , |
| | 0940 | 2.0 | 7.04 | 18.1 | 479.0 | 1.20 | 15,70 | -20.7 | 11, 11 | <u> </u> | | |
| | 0110 | | | | 7 77.5 | | | | , | | | |
| sample: | 0956 | 3.0 | 7.08 | 18.2 | 466.6 | 1-18 | 24.21 | -29.9 | 1, 11, | 11 | | |
| | Comments | s: | | | | | | | 1 | | | |
| | | | | | _ | | | | | | | |
| | | Method | | Pumpin in GPM | | epth of quip. in Feet | | oils dry? | Yes | | | K |
| | Purge | 55 500 | 3 | 0.08 | | 33 | | | asing volumes | | | — |
| | Sample | 11 | | 1(| | 11 | - P | - | isposal Method と の心へ / 3 | 1,701ume 3,5 6rL | | |
| | 00, | J | | | <u> </u> | | | | | | | |
| 2 | Sampling | g Data | | | | | P | | | | | |
| | Bottle Typ | | | | | Preserv. | Filter | Total nu | umber of Bottles | s <u></u> | <u>/</u> | |
| | 0.5 L amb | | | TPH-Dx TPH-Gx, BT | EV | l lici | | Duplica | te Sample I.D. | | | · |
| | 40 1112 VO | A 3 | | IPH-GX, DI | | HCI | | Field BI | ank I.D. | | | |
| | | | * | | , | 1 | - | Rinseat | e Sample I.D. | | | ; |
| 3 | Field Equ | uipment | | 10 | | 7 | ype/Bran | nd/Serial N | lo./Material | Units | | |
| | Pump Tvp | e/Tubina T | ype <u>55</u> | SUB /PE | | т | emp/pH/E. | .C. meter | 451 | oss pro | | |
| | Bailer Type | | 71 | The state of the s | | The same of the sa | | | WATER | LINE | | |
| | Filter Type | | And the state of the same of t | | | | | | | distribution of the second | | |
| | | | | N/ | N | | Other | | . — | | | |
| • | Well Con | aitions | C | ok [X] | Not OK | Explain | _ | | | | | |



HARTCROWSER Groundwater Sampling Data - Well I.D. __DMW-8S

| | | | C. (for new v | vells) | SIDEN | alk of | DEXTER. | AVENUE | (WEST SIE | DE OF STREET) |
|---------|-------------|-----------------------------|------------------------------|------------------|---------------|---------------------------|---|--|-------------------------------|---|
| | | | ner of building cer Megab | | | | | | 11/2/25- | I do - ma |
| | PROJECT | - | 10904 | IUCK | | · · | TE/TIME SAI | | 11/2/2020 | 10:29 |
| | JOB NO. | | | nol/M Con | | | ALLY INFLU | | YES | _ NOX |
| | PROJECT | | <u> </u> | gel/M God | ooman | | LL DEPTH IN | | 38' | |
| | FIELD REP | <u>د</u> s | VANDE | 21JAL | | sc | REENED INT | ERVAL IN F | EET | 38 |
| 1 | Purging | Data/Fiel | | | All Measu | ırements Rela | tive to Top of | Casing (TO | | |
| | WELL DEP | гн | 38 | | 1/5 | | SING VOLUN | IE IN GALLO | ons | 5 |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET3 | 7.75 | | [2" diam = x . | 163 gal/ft | 4" diam = x .653 | 3 gal/ft] |
| | | | ΓW) IN FEET | | 8.73 | PU | RGE VOLUM | E IN GALLO | ons $\underline{\mathcal{H}}$ | · <u>5</u> |
| | (DTS - DTV | V) | 7.02 | | L T | AC | TUAL PURGE | E IN GALLO | NS 4. | 0 |
| | Time | No. of Gallons Purged | рН | Temp in °C | Condu | | Turbidity | ORP in <u>~</u> √ | | uality, recovery, color, odor, heen, accumulated silt/sand |
| | 0856 | 0.1 | 7.46 | 17.1 | 0.304 | | 4.13 | 79.3 | | |
| | 0916 | . 1 | 6.96 | 16.9 | 0.30 | 4 3.55 | 1.21 | 45.1 | | |
| | 0940 | 2 | 6.99 | 17.8 | 031 | | 0.88 | 3.8 | | |
| | 1008 | 3 | 7.01 | 18.0 | 031 | | 1.35 | -9.6 | | |
| sample: | 1029 | 4 | 6.98 | 18.2 | 0.30 | | | -14.1 | | |
| | Comments | | 1 | | | | | | | |
| | Comments | • | <u>.</u> | | | | | | | |
| | | | | | | | | | | |
| ie. | - | Method | | Pumpin in GPM | ٠ , | Depth of Equip. in Fee | | oils dry? At no. of a | Yes | No |
| | Purge | SS Sur | 3MERSIBUE | 0.0 | 4 | 33 | _ Pı | | Disposal Method/\ | |
| | Sample | , , | <i>)</i> | 1) | | 1) | | ONSI? | TE DRU | // - |
| 2 | Sampling | Data | | | | | | | | |
| | Bottle Type | | ners Analy | /ses | | Preserv. | Filter | Total nu | umber of Bottles | 4 |
| | 0.5 L ambe | | | ГРН-Dx | | | | Dunlica | ite Sample I.D. | equivele sales |
| | 40 mL VOA | 3 | 1 | PH-Gx, BT | EX | HCI | | · | lank I.D. | enderview of the |
| | | | | | | | | | te Sample I.D. | residente |
| (3) | Field Equ | inment | | | | | Type/Bran | | No./Material U | Inita |
| | rora Equ | .pmcm | | , | | | i ype/biaii | u/Serial i | vo./iviaterial o | nnis |
| | Pump Type | /Tubing Ty | /pe | SUB/ | PE | | Γemp/pH/E. | C. meter | YS1 T | ProDSS |
| | Bailer Type | | | | | | Temp/pH/E.C. meter VSI PRODSS Water Level Probe | | | |
| | Filter Type | | | distance. | . | | Other | | | |
| 4 | Well Cond | ditions | O | ĸ 💢 | Not OK | Explain | 1 | A CONTRACTOR OF THE PARTY OF TH | | |



HARTCROWSER Groundwater Sampling Data - Well I.D. __DMW-9S

| | WELL LOCA | | C. (for new w | | | | | | | | |
|----------|-------------|-----------------------------|--|--|------------------|----------------------|--------------|-------------|-----------------|---------|---|
| | PROJECT | | er or building er Megab | | | DATE | E/TIME SAN | //PLED | 11/2/2020 | 1143 | |
| | JOB NO. | 194 | 0904 | | | | LLY INFLUI | - | YES | NO | X |
| | PROJECT N | MANAGER | M Dag | gel/M Goo | dman | WELI | DEPTH IN | I FEET | 33 | | |
| | FIELD REPS | s | BLYT | ٦ € | | SCRI | ENED INT | ERVAL IN F | ET 23 | -33 | |
| 1 | Purging I | Data/Field | d Measure | ements: | All Measuren | nents Relativ | e to Top of | Casing (TOC | () | | |
| | WELL DEPT | гн | 3 | 31 | | CASI | NG VOLUM | ME IN GALLO | ns O | .5 | |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET | 32,20 | [2' | ' diam = x . | 163 gal/ft | 4" diam = x .65 | | |
| | DEPTH TO | WATER (DT | | | 29.00 | PURG | SE VOLUM | E IN GALLOI | NS | 1.5 | |
| | (DTS – DTW | /) | 3,20 |) | | ACTU | JAL PURGE | E IN GALLON | IS | 1.0 | |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in US/CA | Diss. Oxygen in Mall | Turbidity | ORP in _MV | | | very, color, odor, nulated silt/sand |
| WITTEL | 0.1 12 | 0.1 | 7,30 | 18.6 | 527 | 4.49 | 11.26 | 32.7 | INITIALLY | | |
| | 1134 | 0.5 | 6.86 | 18,0 | 522 | 2.83 | 4.95 | 46.8 | CLEAR, | NO, NS | |
| SAMP LE | 1143 | 1.0 | 6.83 | 18.1 | 522 | 2.75 | 3,84 | 47.3 | | 11 | |
| _sample: | | | | | | | | 1 | | | |
| | Comments | | | Pumpin in GPM | - | epth of | Вс | pils dry? | Yes | | No <u>X</u> |
| | Purge | Perismo | T) (| 0.06 | | 30 | 1 _ | | asing volumes | | |
| | Sample | n | ,,, | 11 | | ıı | - Pi | - | isposal Method | | |
| 2 | Sampling | # of | | | 1 | | | Total nu | mber of Bottles | . 4 | |
| | 0.5 L ambe | | | yses TPH-Dx | • | Preserv. | Filter | | | | _ |
| | 40 mL VO | | | <u>гг гг-Бх</u> ГРН-Gx, ВТ | EX | HCI | _ | Duplicat | te Sample I.D. | | |
| | | | | | | | | Field Bla | | | |
| | | | | | | | | Rinseat | e Sample I.D. | -7 | |
| 3 | Field Equ | ipment | | | | T | ype/Bran | nd/Serial N | lo./Material | Units | |
| | Pump Type | e/Tubing Ty | /pe <u> Pca</u> | ISMLTIC / | 196 | | emp/pH/E. | C. meter | 451 | DSS PRO | |
| | Bailer Type | , | | | | w | ater Level | Probe | WATT | en line | |
| | Filter Type | | And the last of th | Company of the Assessment Company of the Company of | | Other | | | | N | |
| 4 | Well Con | ditions | O | ĸ [k] | Not OK | Explain | 3. | | | | |



HARTCROWSER Groundwater Sampling Data - Well I.D. __DMW-10S

| | Mer | cer Megablo | 4) ock | | DATE | TIME SAM | IPLED | 11/2 | rose | 2 12 | 59 |
|---|--|--------------------------------------|---|-----------------|----------------------------------|---------------|---|--------------------------------|------------|------------|-------------|
| OB NO. | 194 | 10904 , | | | | LLY INFLUE | ENCÉD | YES _ | | NO | X |
| ROJECT M | MANAGER | M Dage | l/M Good | man | WELL | DEPTH IN | FEET | 55' | | | |
| IELD REPS | s <u> </u> | VANDER | Az | | SCRE | ENED INT | I FEET ERVAL IN F | EET | 35-5 | 55' | <u> </u> |
| Purging [| Data/Field | d Measurer | nents: All | Measure | ments Relativ | e to Top of | Casing (TO | C) | | | |
| VELL DEPT | гн | 55' | U | | CASI | NG VOLUM | IE IN GALLO | ONS | 3.6 | 3 | |
| EPTH TO S | SEDIMENT | (DTS) IN FEE | T 54 | 45 | [2" | ' diam = x .1 | 163 gal/ft | 4" diam = | = x .653 g | gal/ft] | |
| EPTH TO \ | WATER (D | TW) IN FEET | _32 | -18 | PURC | SE VOLUMI | E IN GALLO | NS _ | 10.8 | | |
| DTS – DTW | v) _ Z | 7.18 | | 5 | ACTU | JAL PURGE | IN GALLO | vs | 5. | | |
| | No. of Gallons | | Temp | Conduct | Diss. Oxygen | | ORP | Comme | ents: qua | ality, rec | overy, cold |
| Time | Purged | pН | | in <u>m≤/cm</u> | | Turbidity | in_m\/ | | she | en, acc | umulated |
| 1118 | 0.1 | 7.93 | | 9.469 | 5.50 | 495.8 | 7 | | | | |
| 1153 | 1 | 7.83 | 17.0 | 2.470 | | 171.2 | -49.3 | | | | |
| 1205 | 2 | 7.83 | 17.1 | 0.468 | 1.28 | 586 | -76.0 | | | | |
| 1217 | 3 | 7.79 | 17.1 | 0471 | 1.16 | 35.3 | -1000 | | | | |
| 230 | 4 | 7.77 | 17.2 (| 2.477 | [1] | 25.2 | -117.6 | | | | |
| | | | | CIRCLY IL | ONTINUES | ONB | ACK | | | | |
| | Mathad | | Pumping | Rate [| Depth of | | oils dry? | Yes _ | | | No |
| Durae | Method | | Pumping in GPM | Rate [| Depth of Equip, in Feet | Вс | oils dry? At no. of | asing vol | | | No |
| Purge | 555 | SV8-4858LE | Pumping in GPM | Rate [| Depth of Equip, in Feet ムぐ | Bo | oils dry? At no. of our of our of our our our our our our our our our our | – casing volu Disposal M | lethod/Vo | lume | |
| Purge Sample | 55 5 | | Pumping in GPM | Rate [| Depth of Equip, in Feet | Bo | oils dry? At no. of | – casing volu Disposal M | lethod/Vo | lume | |
| Sample | 55 5 | SV8-4858LE | Pumping in GPM | Rate [| Depth of Equip, in Feet ムぐ | Bo | oils dry? At no. of ourge Water E | – casing volu Disposal M | lethod/Vo | olume | |
| Sampling Bottle Type | 55 54 7 Data # of Conta | SURMERS Analys | Pumping in GPM O-O-7 | Rate [| Depth of Equip, in Feet ムぐ | Pt | oils dry? At no. of ourge Water E | casing volu Disposal M | lethod/Vo | olume | GALL |
| Sampling Bottle Type 0.5 L ambe | SS SS SS SS SS SS SS SS SS SS SS SS SS | ないみってごちられ いっきいこと tiners Analys | Pumping in GPM O-0-7 | Rate E | Preserv. | Bo | At no. of ourge Water E | casing volu Disposal M | ethod/Vo | olume | GALL |
| Sample | SS SS SS SS SS SS SS SS SS SS SS SS SS | ないみってごちられ いっきいこと tiners Analys | Pumping in GPM O-O-7 | Rate E | Depth of Equip, in Feet | Pu Pu | At no. of ourge Water E | casing volutions of E | ethod/Vo | olume | GALL |
| Sampling Bottle Type 0.5 L ambe | SS SS SS SS SS SS SS SS SS SS SS SS SS | ないみってごちられ いっきいこと tiners Analys | Pumping in GPM O-0-7 | Rate E | Preserv. | Pu Pu | At no. of ourge Water E | casing volutions of E | Bottles _ | olume | GALL |
| Sampling Bottle Type 0.5 L ambe | 55 56 58 7 Data # of Container 1 A 3 | ないみってごちられ いっきいこと tiners Analys | Pumping in GPM O-0-7 | Rate E | Preserv. | Filter | At no. of ourge Water E | umber of Elank I.D. | Bottles | llume 6 | GALL |
| Sampling Bottle Type 0.5 L ambe 40 mL VOA | Joseph Service Contact Service 1 1 A 3 3 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | niners Analys | Pumping in GPM O-0-7 Sees PH-Dx PH-Gx, BTEX | Rate E | Preserv. HCI | Filter | Total n Duplica Field B Rinsea | umber of Elank I.D. | Bottles | llume 6 | GALL |
| Sampling Bottle Type 0.5 L ambe 40 mL VOA | SS SS SS SS SS SS SS SS SS SS SS SS SS | ないみってごちられ いっきいこと tiners Analys | Pumping in GPM O-0-7 Sees PH-Dx PH-Gx, BTEX | Rate E | Preserv. HCI | Filter | Total n Duplica Field B Rinsea Rd/Serial I | umber of Elank I.D. te Sample | Bottles | nits | GAUL J |

| | Time | No. OF GOLOUS PURGED | PH | TEMP IN °C | CONDUCT IN Maken | Diss. Oxygen In myL | TURBDITY | ORP |
|--------|------|----------------------------|------|---------------|------------------|---------------------------|----------|--------|
| | 1243 | 5, | 7.79 | 17.2 | 0.430 | 1.07 | 26.5 | -129.6 |
| SAMPLE | 1259 | 6 | 7.80 | 17.3 | 0.481 | 1.06 | 24.3 | -140.4 |
| | | | | | | | | |



| (e.g., 20' N | IW of E corn | C. (for new w | g A) ' | PERING | | | | OCTHINEST LICE |
|--------------|-----------------------------|---------------|------------------|---------------------------|--------------------------|---------------|-------------|--|
| PROJECT | | er Megab | lock | | | E/TIME SAM | IPLED _ | 11/2/20 1452 YES NO X |
| JOB NO. | | 0904, | 1/14 0 | 1 | | LLY INFLUE | | |
| | MANAGER | | gel/M God | | | L DEPTH IN | - | <u>51′</u> |
| FIELD REP | s <u>-1.</u> | VANTE | RWAL | | SCR | EENED INTE | ERVAL IN FE | ET 30-50 |
| Purging | Data/Field | d Measure | ements: | All Measurer | nents Relati | e to Top of | Casing (TOC | D) |
| WELL DEP | гн | 51' | | | CAS | NG VOLUM | E IN GALLO | ns <u>7.3</u> |
| DEPTH TO | SEDIMENT | (DTS) IN FE | ET | 0.52 | [2 | " diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| DEPTH TO | WATER (DT | W) IN FEET | _ 3 | 2.80 | PUR | GE VOLUME | E IN GALLOI | vs <u>8.4</u> |
| DTS – DTV | V)1 | 7.72 | | | ACT | JAL PURGE | IN GALLON | is <u>4</u> |
| Time | No. of Gallons Purged | рН | Temp in °C | Conduct in <u>ras/car</u> | Diss. Oxygen | Turbidity | ORP in _m / | Comments: quality, recovery, color, odor, sheen, accumulated silt/sand |
| 1400 | 0.1 | 7.90 | 16.3 | 8.460 | 658 | 49.21 | 51.3 | * |
| 1421 | 1 | 7.39 | 17.1 | 0.464 | 3.22 | 61.50 | 75.2 | |
| 1431 | 7 | 7.36 | 16.9 | 0.467 | | 17.83 | -15.0 | |
| 1441 | 3 | 7.55 | 17.0 | 0.437 | 3.24 | 10.23 | -48.7 | |
| 1452 | 4 | 7.70 | 17.2 | 0.451 | 4.19 | 793 | -51.9 | |
| Comments | | | | | | | | |
| | Method | | Pumpir in GPM | ٠ , | epth of quip. in Feet | | oils dry? | Yes No |
| Purge | | MERSIBLE | 0 | | 40 | | | asing volumes |
| Sample | | 1) | | , | 1) | | | isposal Method/Volume Drym 4 GALLONS |
| Sampling | Data | | | | | | | umber of Bottles |
| Bottle Type | | iners Anal | yses | | Preserv. | Filter | 10101110 | |
| 0.5 L ambe | | | TPH-Dx | | 11.5 | | Duplicat | te Sample I.D. |
| 40 mL VO | A 3 | | TPH-Gx, BT | ΕX | HCI | + | Field Bla | |
| | | | | | | | Rinseat | e Sample I.D. |
| Field Equ | iipment | | | | 7 | ype/Bran | d/Serial N | lo./Material Units |
| Pump Type | e/Tubing Ty | /pe <u>55</u> | 503/ | PE | Т | emp/pH/E. | C. meter | VSI PRODSS |
| Bailer Type | | | / | | | /ater Level | | WATERLINE |
| J. | | - | | | | ther | | |



HARTCROWSER Groundwater Sampling Data - Well I.D. __DMW-12S

| | | | C. (for new we | · — | | | | |) l |
|----------|-------------|-----------------------------|------------------|------------------|--|--------------------------|---------------|-------------|--|
| | PROJECT | Merc | er Megablo | ock | | DATE | E/TIME SAM | IPLED _ | 11/2/2020 1426 |
| | JOB NO. | 194 | 0904 , | | | TIDA | LLY INFLUE | NCED ' | YES NO |
| | PROJECT N | MANAGER | M Dage | el/M Goo | dman | WELI | DEPTH IN | FEET | 50 1 |
| | FIELD REP | s | LYTHE | | | SCRI | ENED INT | ERVAL IN FI | EET 30-50 1 |
| 1 | Purging I | Data/Field | d Measurei 50 | | All Measure | ments Relativ | re to Top of | Casing (TOC | |
| | WELL DEP | | | <u>-</u> | | CASI | NG VOLUM | E IN GALLO | |
| | DEPTH TO | SEDIMENT | (DTS) IN FEE | | 49,90 | | ' diam = x .1 | Ū | 4" diam = x .653 gal/ft] |
| | DEPTH TO | WATER (DT | W) IN FEET | | 34.60 | | | E IN GALLOI | · · · · · · · · · · · · · · · · · · · |
| | (DTS – DTV | V) <u>.</u> | | 15.3 | | ACTU | JAL PURGE | IN GALLON | s <u>5,0</u> |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct | Diss. Oxygen in Mg/L | Turbidity | ORP in MA | Comments: quality, recovery, color, odor, sheen, accumulated silt/sand |
| IN ITIAL | 1305 | 0.1 | 7.21 | 16.2 | 468.2 | 7 0 | 598.6 | 23.5 | INITIALLY SHOW GRAM TO PAGE SHEEN |
| | 1327 | 1.0 | 6.90 | 17.3 | 468.8 | 1.08 | 146.31 | -34.1 | MODERATE GRAY TABIBITY, NO, NS |
| | 1344 | 2.0 | 6.99 | 17.0 | 479.9 | 1.50 | 72,51 | -51.9 | SLIBHTLY NABID, NO, NS |
| | 1356 | 3.0 | 7,00 | 17.2 | 460.1 | 0.90 | 43.80 | - 43.6 | CLEAR, NO, NS |
| sample: | 1408 | 4.0 | 6.89 | 16.8 | 463.8 | | 43.24 | -60.5 | u , u , u |
| | Comments | s: | | | | | | | |
| | | Method | | Pumpin in GPM | ~ | epth of quip. in Feet | Во | ils dry? | Yes NoX |
| | Purge | 55 50 | B | 0,0 | 97 | 40 | Pu | | isposal Method/Volume |
| | Sample | u | | ч | | k | | | 176 DAVA / 5.5 GAL |
| 2 | Sampling | g Data # of | <u> </u> | | = | 10: | _ | Total nu | umber of Bottles |
| | Bottle Type | e Conta | | | | Preserv. | Filter | | |
| 15 | 0.5 L ambe | | | PH-Dx | | 1101 | | Duplica | te Sample I.D. |
| | 40 mL VO | A 3 | | PH-Gx, BT | EX | HCI | | Field Bl | ank I.D. |
| | | | | | | | | Rinseat | e Sample I.D. |
| 3 | Field Equ | ipment | | | | 7 | ype/Bran | d/Serial N | lo./Material Units |
| | Pump Type | e/Tubing T | ype <u>\$5</u> | 5 mg/p | Ç | T e | emp/pH/E. | C. meter | 451 OSS PRO |
| | Bailer Type | | | | graph and the comment of the comment | W | ater Level | Probe | WATER LINE |
| | Filter Type | 2 | | | | | ther | | |
| 4 | Well Con | ditions | Ok | | Not OK | Explain | | | |

| | TIME | GAL | PH | Т | Caro | 00 | TURS | orp | COMMENT |
|--------|------|------------|------|------|----------------|------|-------|----------------|--------------|
| SAMPLE | 1408 | 4.0 5.0 | 6.89 | 16.8 | 463.8 460.1 | 0.99 | 43.24 | -60.5 -75.1 | CLEAR, NO NS |



HARTCROWSER Groundwater Sampling Data - Well I.D. _ DMW-13S

| Р | (e.g., 20' N | W of E corr | ner of b | | 1) - | ALLEY | OF C | OPILES / | Varia | , / | |
|------|----------------------|-----------------------------|----------|--|------------------|-----------------|--------------------------|-----------------|-------------|--------------------|--|
| | PROJECT | Mer | cer Me | egablo | ck | | DA | ATE/TIME SAM | MPLED . | 11/3/2020 | 2 1050 |
| J | IOB NO. | 194 | 10904 | | | | TII | DALLY INFLUE | ENCED | YE,S / | NO X |
| P | PROJECT M | IANAGER | M | l Dage | I/M God | odman | W | ELL DEPTH IN | I FEET | 50 | · |
| F | TELD REPS | i J | UA- | DER | WAL | | sc | REENED INT | ERVAL IN F | EET <u>30</u> - | 501 |
| 1) F | Purging L | Data/Fiel | d Mea | suren | nents: | All Measu | irements Rel | ative to Top of | Casing (TO | C) | |
| ٧ | WELL DEPT | н | 5 | <u>.o' </u> | | | CA | ASING VOLUM | IE IN GALLO | ons <u>1.8</u> | • |
| | DEPTH TO | SEDIMENT | (DTS) | IN FEE | | 49.0 | | [2" diam = x .1 | 163 gal/ft | 4" diam = x .653 g | gal/ft] |
| | DEPTH TO | WATER (D | TW) IN | FEET | | 37.71 | PUPU | JRGE VOLUM | E IN GALLO | NS 5.5 | |
| _ (I | DTS – DTW | " | 11 | .32 | | | AC | TUAL PURGE | E IN GALLO | vs <u>3</u> | |
| | Time | No. of Gallons Purged | pi | | Temp in °C | Condu in 🙉 🏅 | | n Turbidity | ORP in SV | | ality, recovery, color, od een, accumulated silt/sa |
| | 1010 | 0.1 | 7.5 | 7 | 18.3 | 0.42 | 5.00 | 1 91.17 | | | |
| | 1724 |) | 6.9 | 10 | 165 | 2.33 | i LICK | 415,25 | 37.5 | v | |
| | 1038 | - | 67 | 16 | 166 | 0317 | 7 4.95 | | 39.8 | | |
| | 1050 | 3 | 6.7 | | 166 | 0.31 | 3 4,79 | 13.20 | 91.6 | | |
| ple: | | | | | | | • | | | | - |
| _ | <u>.</u> | Method | | | Pumpii in GPM | ng Rate | Depth of Equip. in Fe | | oils dry? | Yes | _ |
| | Purge | 55 51 | PEMER | SIBIL | 0.0 | 7 | 43 | Pı | | Disposal Method/Vo | |
| | Sample | | 4 | | , | ř . | 71 | | | | 3 GALLONI |
| 2) 5 | Sampling | | | | | | | | | | 4 |
| | Bottle Type | # of Conta | ainers | Analys | es | | Preserv | . Filter | lotal ni | umber of Bottles | / |
| | 0.5 L ambe | | | | H-Dx | | | | Dunling | ite Sample I.D. | |
| - | 40 mL VO | 4 3 | 3 | TP | H-Gx, B | ΓEX | HCI | | | lank I.D. | |
| - } | | | _ | | | | | | | te Sample I.D. | |
| _ L | | | | | | | | | Misea | te Sample I.D | 1 |
| 3) F | Field Equ | ipment | | | | , | | Type/Bran | d/Serial I | No./Material Ur | nits |
| F | Pump Type | /Tubing T | ype _ | <u>Ss</u> | 5013 | /PE | | Temp/pH/E. | C. meter | 1/5/ | たりひら |
| | Bailer Type | | | | | / | | Water Level | Probe | LANTER | - LINE |
| Е | | | | | | | | Other | | | |
| | Filter Type | | | | | | | | | | |
| F | Filter Type Well Con | ditions | | ОК | ∇ | Not OK | Expla | | | | |



HARTCROWSER Groundwater Sampling Data - Well I.D. DMW-14S

| PROJECT | M | ercer M | 1egab | lock | | DAT | E/TIME SAM | IPLED | 11/3/2 | 620 | 12 | 34 | |
|--|--|----------------|----------|------------------|--------------|-----------------------------|--|--|--|---------------|--------------|---------------|------|
| JOB NO. | 1 | 940904 | 4 | | | | LLY INFLUE | - | YES | | NO | X | |
| PROJECT | MANAGE | ٦ | M Dag | gel/M God | odman | WEL | L DEPTH IN | FEET | 51' | | | | |
| FIELD REF | s | J. 1 | bus | erua | | SCR | EENED INTI | ERVAL IN FI | EET | 41- | 51' | | |
| Purging | Data/Fi | | | | All Measurer | ments Relati | ve to Top of | Casing (TO | c) | , | | | |
| WELL DEP | | _ | 51' | | | CAS | ING VOLUM | E IN GALLO | NS | 1.2 | | | |
| DEPTH TO | SEDIME | NT (DTS |) IN FE | ET | 50.32 | [2 | ?" diam = x .1 | 63 gal/ft | 4" diam = x | c .653 g | gal/ft] | | |
| DEPTH TO | WATER | DTW) II | N FEET | | 13.7 | PUR | GE VOLUME | E IN GALLO | vs | 3. | 600 | | |
| (DTS – DT | W) | | | 1.06 | | ACT | UAL PURGE | IN GALLON | | 3 |) } | | |
| Time | No. of Gallon Purged | 3 | pΗ | Temp in °C | Conduct | Diss. Oxygen in 176/4 | Turbidity | ORP in <u>~ V</u> | Comment | | | covery, colo | |
| 1140 | 0.1 | | 10 | 15.5 | 0.473 | 6.54 | 192.2 | 1.1 | | Sile | 3611, 600 | umalated | SILU |
| 1153 | | 6. | | 16-1 | 0.434 | 3.01 | 114.2 | -365 | | | | <u> </u> | |
| 1:13 | 12 | | 79 | 17.4 | 0.374 | 1.37 | 87.2 | -873 | | | | - | _ |
| 17.34 | 3 | | 63 | 17.3 | 0353 | | 14.90 | -31.0 | | | | | _ |
| K 600 20 1 | -0 | Care | . 0.0 | | 1 210 | 1 1 - 21 | 10 | 1. 2.00 | | | | | |
| Comment | ss: | | | | | | | | | | | | |
| | S: | | | Pumpir in GPM | | epth of quip. in Feet | | bils dry? | Yes | | _ | No _X | |
| | Method | UBAN | SRS 18 | in GPM | | | <u>t</u> | At no. of o | asing volum | nes | | Nο _ <i>X</i> | |
| Comment | Method | | SRS 17 | in GPM | | quip. in Feet | Pu | At no. of o | asing volum | nes hod/Vo | olume | | |
| Comment | Method 54 5 | | LTC & 15 | in GPM | | quip. in Feet | Pu | At no. of o | asing volum | nes hod/Vo | olume | ALON | |
| Purge Sample | Method | UBMI | | in GPM | | quip. in Feet | Pu | At no. of d irge Water D ひろけだ 辽 | asing volum | nes | olume | | |
| Purge Sample Samplin | Method Self Self Self Self Self Self Self Self | UBMI | Anal | in GPM | | quip. in Feet | Pu | At no. of d irge Water D ひろけだ 辽 | asing volum isposal Met アルバ | nes | olume | ALON | |
| Purge Sample | Method SS SS g Data pe Cooper | UBM1 | Anal | in GPM | 1 E | quip. in Feet | Pu | At no. of d irge Water D ソスパだ ゴ Total nu Duplica | asing volum isposal Met TOUT imber of Bo ite Sample I. | hod/Vo | olume | ALON | |
| Purge Sample Samplin Bottle Typ 0.5 L amb | Method SS SS g Data pe Cooper | PM | Anal | yses TPH-Dx | 1 E | quip. in Feet | Pu | At no. of congress water Deposition of the Duplica Field Bl | asing volum isposal Met TZUT imber of Bo te Sample I. | hod/Vo | olume | ALON | |
| Purge Sample Samplin Bottle Typ 0.5 L amb | Method SS SS g Data pe Cooper | PM | Anal | yses TPH-Dx | 1 E | quip. in Feet | Pu | At no. of congress water Deposition of the Duplica Field Bl | asing volum isposal Met TOUT imber of Bo ite Sample I. | hod/Vo | olume | ALON | |
| Purge Sample Samplin Bottle Typ 0.5 L amb | Method G S S S G Data # 0 Co er DA | fortainers 1 3 | Anal | yses TPH-Dx | 1 E | Preserv. | Pu | At no. of congress with the congress of the co | asing volum isposal Met in the sample I. ank I.D. e Sample I. | hod/Vo | olume 5-4 | ALON | |
| Purge Sample Samplin Bottle Typ 0.5 L amb 40 mL VC | Method g Data g Co per DA | fontainers 1 3 | Anal | yses TPH-Dx | 1 E | Preserv. HCI | Filter | At no. of durge Water D Total nu Duplica Field BI Rinseat | asing volum isposal Met in the sample I. ank I.D. e Sample I. | hod/Vo | olume 5-4 | ALON | |
| Purge Sample Samplin Bottle Typ 0.5 L amb 40 mL VC | Method g Data # o Co per DA | fontainers 1 3 | Anal | yses TPH-Dx | 1 E | Preserv. HCI | Filter — — — — — — — — — — — — — — — — — — — | At no. of durge Water D Total nu Duplica Field BI Rinseat d/Serial N C. meter | asing volumisposal Metion (Inc.) imber of Boundary ite Sample I. ank I.D. e Sample I.I. Io./Mater | ttles | nits | ALON | |
| Purge Sample Samplin Bottle Typ 0.5 L amb 40 mL VC | Method g Data # 0 Co per DA uipmen pe/Tubing | fontainers 1 3 | Anal | yses TPH-Dx | 1 E | Preserv. HCI | Filter Filter Figer/Bran | At no. of durge Water D Total nu Duplica Field BI Rinseat d/Serial N C. meter | asing volumisposal Metion (Inc.) imber of Boundary ite Sample I. ank I.D. e Sample I.I. Io./Mater | hod/Vo | nits | ALON | _ |

| Groundy | vater Sam | pling Da | ta - Well I.L |). | | - HM | IM-TD |
|--|--|---|---|------------------|---|---|---|
| Project Job No. Project Manaç Field Reps. | ger M. D | 904-04 | JH | | Date/Time Sampled Tidally Influenced Well Depth in Feet Screened Interval in Fee | 3/ 9/2020 // Yes 90` | No No |
| Well Depth Depth of Sedi | ment (DTS) in Feet (DTW) in Fe | 90 pet 91, 4 78.7 123.121 12 Conduct in us/cm 3 383.5 2 429.2 2 441.8 2 580 | Diss Oxygen Turbidity in mg/L in NTU 3.61 8.41 1.67 6.28 1.57 9.71 1.49 2.66 1.45 2.10 | ORP in mV -1(1). | moderate obser-like 2.0 Suffer-like 26.3 Suffer-like 7.8 | ery Color, Odor, Sh NS, Cle NS odor NS | een, Accumulated Silt/Sand or; Sulfur-like of s; clear clear clear clear |
| Purge 55 | Method Pump 4 | rging Rate in GPM | Depth of Equipment in Feet | | Bails dry? At no. of Casing Volume Purge Water Disposal N | Yes | No X |
| Bottle Type No co | f Containers | Analyses TTPH-GX TTPH-DX X5+BTEX H Metals 5, Metals | Perserv. Filter HCI N NO N HCI P HDO N | | Duplicate Field Blar pay be not on COC | nber of Bottles Sample I.D. nk I.D. Sample I.D. | |
| - | <i>quipment</i> :/Tubing Type | <u>45.50</u> | | - - 2 | Type/Brand/Serial Temp/pH/E.C./D.O Water Level Probe Other | YSI D Solinat | /Units |
| 4) Well C | onditions | OK | Not OK | | Explain Miss | • | Field Forms/GW-Well ID |

Water Level Probe

HC Standards/Field Forms/GW-Well ID

√ Explain

Bailer Type Filter Type

4) Well Conditions

Pull up litures, put back@ 1305

| | Gro | undwa | ater S | Samp | ling D | ata - V | Public VeII I. . | Revi D. | iew Draft HMW-1° | 5 |
|------------|---|---|---------------|--|---|------------------------------------|----------------------------|-------------------|---|-----|
| | Project Job No Project Field R | o. t Manage | r | MMB 194090 M. Dag | | Элн | | - | Date/Time Sampled 3/1/2020 // 115 Tidally Influenced Yes No X Well Depth in Feet 20 30') | |
| | 1) Pu | rging D | ata/Fie | | | | II Meası | - Jreme | ents Relative to Top of Casing (TOC) 2-0.46 | , |
| | Well D | epth of Sedime of Water (| ent (DTS | i) in Feet |) i27.71 24.4 | T | | - - - | Casing Volume in Gallons [2" diameter = x 0.163 gal/ft] Purge Volume in Gallons Actual Purge in Gallons | |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in uS/cm | Diss Oxygen in mg/L | in NTU | in mV | y,, carry crist, and the control of the contro | and |
| -AR | | 0.1 | 6,51 | 10.3 | 634 | 4-41 | 10.87 | 74.1 | NO, NS, CLEAR : INITIALLY | |
| 7 | 1025 | 1.0 | 6.57 | + | 644 | 1.69 | 93.41 | -12.4 | increasur bary turbiety | |
| | 1056 | 2.0 | 6,60 | 11.9 | 635 | 1.68 | 94.64 | -40.4 | NO, NS, VALUAGE GOM TARB. | _ |
| | | 2°~ | | ļ | | | | | | |
| \ <u> </u> | ₹ | | | 1 | | | | | | |
| 1 | 115 | 2.5 | 6.61 | 11.9 | 620 | 1.68 | 47,78 | -43.5 | SLIBHT SHEEN, GRAY TURBIOITY, NO | |
| | Comm | ents | pulle | gin | b trp. | ing. | n IS | H A | HR BUBLES @ 1035 MOVED BALL DOWN 1 ST | |
| | | e ov | | | <u> </u> | | · | _ | | |
| | | | | | | | | | | |
| 2 P | nub man | Met | | | ig Rate in GPM | Equipme | th of nt in Feet | | Bails dry? Yes No | |
| | Purge | | | | _ | | | | Bails dry? Yes No At no. of Casing Volumes | |
| | 1 | Met | | | _ | Equipme | | | | E |
| | Purge Sample | Met | inc | C | _ | Equipme ~ こら | | | At no. of Casing Volumes | E |
| В | Purge Sample | Met Pau STA | Data ntainers | AND H | IVOCS+BT8 | Equipme ~ ンゆ | nt in Feet | | At no. of Casing Volumes | 25 |
| B | Purge Sample 2) Sai ottle Type | Met Paust* mpling No of Co | Data ntainers | Ano H Ana Ana Math-L | alyses | Perserv. | Filter | | At no. of Casing Volumes Purge Water Disposal Method/Volume Plans on 517 | 8 |
| B 55 | Purge Sample 2) Sar ottle Type | PRUSTA mpling No of Co | Data | AND H Ana NWTH-L NWTPH Tot. M | alyses | Equipme ~ ンゆ Perserv. HC1 | Filter | | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles | 8 |
| B 55 | Purge Sample 2) Sall ottle Type Von Donl Angel | Met Paust* mpling No of Co 2 1 | Data | AND H Ana NWTH-L NWTPH Tot. M | alyses Lyou's + Bite alyses Lyou's + Bite alyses Lyou's + Bite alyses Lotans | Equipme ~ とら Perserv. HCI NO HN03 | Filter | | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles Duplicate Sample I.D. | 25 |
| B 55 | Purge Sample 2) Sall ottle Type Von Donl Angel | Met Paust* mpling No of Co 2 1 | Data | AND H Ana NWTH-L NWTPH Tot. M | alyses Lyou's + Bite alyses Lyou's + Bite alyses Lyou's + Bite alyses Lotans | Equipme ~ とら Perserv. HCI NO HN03 | Filter | | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles Duplicate Sample I.D. | £ |
| B 55 | Purge Sample 2) Sall ottle Type VOA DAL AMORE POLY | Met Paust* mpling No of Co 2 1 | Data ntainers | AND H And And North-L Nort | alyses Lyou's + Bite alyses Lyou's + Bite alyses Lyou's + Bite alyses Lotans | Equipme ~ とら Perserv. HCI NO HN03 | Filter | | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles Duplicate Sample I.D. | 25 |
| B 55 | Purge Sample 2) Sai ottle Type YOA Dat AMORE POLY POLY | mpling No of Co | Data ntainers | AND H And And North - North Thr. M Dis. 1 | alyses A Hyas - Ox NETTHS METHLS | Perserv. HCI NO HNO3 HNO3 | Filter | Commit | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles Duplicate Sample I.D. Rinseate Sample I.D. Type/Brand/Serial No./Material/Units | 8 |
| B 55 | Purge Sample 2) Sai ottle Type YOA Dat AMORE POLY POLY | Met PRILISTA Mo of Co 1 1 Type/Tul | Data ntainers | AND H And And North - North Thr. M Dis. 1 | alyses Lyou's + Bite alyses Lyou's + Bite alyses Lyou's + Bite alyses Lotans | Perserv. HCI NO HNO3 HNO3 | Filter | (mark | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles Duplicate Sample I.D. Rinseate Sample I.D. Type/Brand/Serial No./Material/Units Temp/pH/E.C./D.O | 25 |
| B 55 | Purge 2) Sai ottle Type von Pory Pory Pory Pump | No of Co | Data ntainers | AND H And And North - North Thr. M Dis. 1 | alyses A Hyas - Ox NETTHS METHLS | Perserv. HCI NO HNO3 HNO3 | Filter | (man) | At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles Duplicate Sample I.D. Rinseate Sample I.D. Type/Brand/Serial No./Material/Units Temp/pH/E.C./D.O | 25 |

HC Standards/Field Forms/GW-Well ID

| Projec | ct | | Broad | Block | | | | Dato/Time Carrell | A 4 - 4 - 4 | 15 | 0000 11 |
|---------------------------------------|---|--|---|--|---------------------------|--|--------|--|--|--|--|
| Job N | | | | -04-05 | | | ÷ | Date/Time Sampled Tidally Influenced | | 12 | 2020 / 1337 |
| Projec | t Manage | er | M. Dag | | | | - | Well Depth in Feet | 62.8 (bgs | es | No x |
| Field F | Reps. | | A 1 | | e/J. Higg | ins A. Nal | cahara | AND THE RESIDENCE OF THE PROPERTY OF THE PROPE | | | o 62.8 (bgs) |
| 1) Pu | ıraina E |)ata/Fi | | | | | | ents Relative to To | | | |
| | , | | | | cins. / | nii ivicas | urenn | eriis Relative to To | op of Casing | (10C) | |
| Well D | | | 62.8 (b | | | | _ | Casing Volume in G | allons | 4. | 13 |
| | of Sedim | | | - 0.0 | 10' | | - | [2" diameter = $x = 0$. | N 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |
| | of Water DTW) | ו (טוט) | n Feet | 36. | 12 | · · | - | Purge Volume in Ga | | 12. | -69 |
| (010- | | | | 100 |) | | | Actual Purge in Gallo | ons | -7 , | 0 |
| Time | No. of Gallons Purged | рН | Temp in °C | Conduct in 68/cm | Diss Oxyger in mg/L | | | Comments: Quality, Re | covery Color. O | dor Sheer | Accumulated Silvis |
| 1146 | 001 | 831 | 14.1 | 752 | 1.97 | 94,00 | 86.7 | + initially + | urbid Ar | /m . 05 | Shalat Isa |
| 1153 | 1.0 | 8.18 | 14.5 | 756 | 157 | 54.77 | 11 | Clearer | - 1 (NO (10) | 0011) | JIGHT 8001, |
| 1201 | 20 | 879 | 140 | 758 | 1,50 | 35.06 | -63 | 01. | 7 3 154 | it od | or NS |
| 1301 | 3.0 | 8.18 | 141 | 711 | 1 | 1.6 | AZI | 1.3 clarate | 1 | 11 | NS |
| 17/12 | 4,0 | 8.30 | | 769 | 1,07 | 661.57 | 110 | (count | 010 | NS | Pumpus to |
| 12.0 | (0 | | 14.5 | 737 | 1.88 | 701.36 | 84 | 1 clearer | olar | W5 | outanta |
| | (// | 1/21 | | | | | | | | | |
| Comm | ents | Pulle Pun | 19.7 20.5h | Xduces not of | - 090 | 35.64 8-15 ind cou | 82 | Didnot a | olor, ollyct f ictarted | NS Dissolu | ralsoraisa red by c |
| Comm | Meth | Puller | d up apsh | ASS Xduces ud of: g Rate in PM | L O | 35.64 R - 15 oth of ent in Feet | 00) | Didnota | 121 1 1 | Dissolu | Malsoraisa Med by |
| Comm | - | Pulle | d up apsh | g Rate in | L O | | 00) | Didnot Go tot be re Bails dry? | (tarted | Dissolu | No No |
| | Mett Georeur | Puller | d up apsh | g Rate in | L O | ent in Feet | 00) | Didnot a | Yes mes | Dissolu | No No Drum left on site |
| urge mple | Mett Genter SUD PM | Pulle | Purging G | g Rate in | Der Equipme | ent in Feet | 00) | Did not a be real Bails dry? At no. of Casing Volume | Yes mes | Dissolu | No |
| urge mple | Meth Gestest SUD PM | Pulle Pun nod Data | Purging G | g Rate in PM | Der Equipme | ent in Feet | 00) | Did not Go to to be re Bails dry? At no. of Casing Volume Purge Water Disposa | Yes mes | Dizgolu Barrene | No |
| urge mple 2) San | Meth Genter SVD PM | Pulle Pun nod Data | Purging G | g Rate in PM | Der Equipme | ent in Feet | 00) | Did not Go to to be re Bails dry? At no. of Casing Volume Purge Water Disposa | Yes mes Method/Volum | Dizgolu Barrene | No |
| urge mple 2) San | Meth Genter SVD PM | Pulle Pun nod Data | Purging G | g Rate in PM | Der Equipme 57. | Filter | 00) | Did not Go to the Ce Bails dry? At no. of Casing Volui Purge Water Disposa Total Nu | Yes mes Method/Volur mber of Bottl | Di31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | No |
| urge mple 2) San e Type er | Meth Genter SVD PM | Pulle Pun nod Data ntainers | Purging G O II Anal NWTPH BTEX/H NWTPH- Total MT | yses GRate in PM / Z | Der Equipme 57. | Filter no | 00) | Did not Go to the Ce Bails dry? At no. of Casing Volui Purge Water Disposa Total Nu | Yes mes Method/Volum | Di31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | No |
| urge mple 2) Sari e Type er poly | Meth Genter SVD PM | Pulle Pun nod Data ntainers 4 | Purging G O II Anal NWTPH BTEX/HY NWTPH Total MT Metals Dissolve | yses GX, VOCs DX CA | Der Equipme 57. | Filter | 00) | Did not Go to the Ce Bails dry? At no. of Casing Volui Purge Water Disposa Total Nu | Yes mes Method/Volur mber of Bottl | Di31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | No |
| urge mple 2) San e Type er | Meth Genter SVD PM | Pulle Pun nod Data ntainers 4 | Purging G Anal NWTPH BTEX/H NWTPH Total MT Metals | yses GX, VOCs DX CA | Der Equipme 57. | Filter no | 00) | Did not Go to the Ce Bails dry? At no. of Casing Volui Purge Water Disposa Total Nu | Yes mes Method/Volur mber of Bottle | Di31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | No |
| urge mple 2) Sari e Type er poly | Meth Genter SVD PM | Pulle Pun nod Data ntainers 4 | Purging G O II Anal NWTPH BTEX/HY NWTPH Total MT Metals Dissolve | yses GX, VOCs DX CA | Der Equipme 57. | Filter no no | 00) | Bails dry? At no. of Casing Volume Purge Water Disposa Total Nu Duplicate Field Bla | Yes mes Method/Volun mber of Bottle e Sample I.D. | Di31 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | No |
| urge mple 2) San e Type er poly Poly | Meth Genter SVD PM | Pulle Pun nod Data ntainers 4 | Purging G O II Anal NWTPH BTEX/HY NWTPH Total MT Metals Dissolve | yses GX, VOCs DX CA | Der Equipme 57. | Filter no no | 00 | Bails dry? At no. of Casing Volume Purge Water Disposa Total Nu Duplicate Field Bla Rinseate | Yes mes Method/Volur mber of Bottle e Sample I.D. nk I.D. Sample I.D. | Di33 10 | No No No No No No No No No No No No No N |
| er poly | Meth Gestear SUD PM 11 Mpling L | Pulle Pun nod Data ntainers 4 1 1 | Purging G O II Anal NWTPH BTEX/HV Total MT Metals Dissolved Metals | yses GX, VOCs DX CA | Der Equipme 57. | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposa Total Nu Duplicate Field Bla Rinseate | Yes mes Method/Volur mber of Bottle e Sample I.D. nk I.D. Sample I.D. | Di33 10 | No No No No No No No No No No No No No N |
| er poly | Mett Genteer Sub Pui II Mo of Cor | Pulle Pun nod Data ntainers 4 1 1 | Purging G O II Anal NWTPH BTEX/HV Total MT Metals Dissolved Metals | yses GX, VOCs DX CA | Der Equipme 57. | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposa Total Nu Duplicate Field Bla Rinseate | Yes mes Method/Volur mber of Bottle e Sample I.D. nk I.D. Sample I.D. | Di33 10 | No No No No No No No No No No No No No N |

| Project Job No Project | | r | 19409- M. Dag | -04-05 | 10 | | Date/Time Sampled March \2 2020 / 0/7 Tidally Influenced Yes No x Well Depth in Feet 90 (bgs) |
|--|--------------------------------|-------------------------|--|---|---|------------------------------------|--|
| Field F | 2 1 2 1 1 1 Z | | | | e/J. Higg | ins/A. Nak | kahara Screened Interval in Feet 80 to 90 (bgs) |
| 1) Pu | ırging D | Data/Fi | eld Me | asurem | ents: A | All Meas | surements Relative to Top of Casing (TOC) |
| Well D | | | 90 (bgs | - ^ | 751 | | Casing Volume in Gallons 5.69 |
| | of Sedime of Water | | A STATE OF THE PARTY OF THE PAR | 35.9 | 231 | | [2" diameter = x 0.163 gal/ft] |
| | DTW) | (D144)1 | 5 | 3.29 | 1 | | Purge Volume in Gallons Actual Purge in Gallons |
| | No. of Gallons | | Temp | Conduct | 100000000000000000000000000000000000000 | | y ORP |
| Time | Purged | pH | in °C | in-mS/cm | in mg/L | 37.31 | VI Clare Control of the control of t |
| 0930 | (10) | 7.87 | 14.4 | 209 | 1.50 | 79.24 | (N/) |
| 0941 | 2.0 | 7.86 | 145 | 308 1 | 1.0 | 33.06 | 54/CF + GPF CC S dor |
| 0953 | 4.0 | 7.85 | 14.7 | 30X.() | 1,44 | 75.98 | 7-48, 11 11 11 11 |
| 1000 | 5.75 | 783 | 143 | 3051 | 148 | 70.77 | -40 () alastd : 1 |
| 1 0 0 0 | | | | | | | |
| Comm | 6.0 | 7.87 Pulled | 143 | 307.3 Xduce | 1.46 | 2957 | -49.5 Clearer 11 15 buelost appear |
| | 6.0 | 7.87 Pulled by C | 14,3 Durain | 307.3 Xduce | F 090 | 2957 26-11 | Unc -1 |
| | 6.0 | 7.87 Pulled by C | | 307.3 | 7 090 | 29.57 | 11. Dissolved poly only silled half-may |
| | 6. 0 | 7.87 Polled by C | | 307.3 Xdwce ng Shu g Rate in | 7 090 | 29.57 29.57 | 11. Dissolved poly only silled half-may |
| Comm | ments Met | 7.87 Polled by C | G | 307.3 Xdwce ng Shu g Rate in | Der Equipme | 29.57 29.57 | Bails dry? Clearer 11 11 buelost appeall, Dissolved poly only silled half may |
| Comm Purge Sample | Met Sub | | G | 307.3 Xdwce ng Shi g Rate in PM | Der Equipme | 29.57 %- F pth of ent in Feet | Bails dry? At no. of Casing Volumes 11 Suedcet appear 12 Suedcet appear 13 Suedcet appear 14 Suedcet appear 15 Suedcet appear 16 Suedcet appear 17 Suedcet appear 18 Suedcet ap |
| Comm Purge Sample | Meth | Data | Ana | 307.3 Xdwce ng Shu g Rate in PM DIJ 7 | Der Equipme | 29.57 %- F pth of ent in Feet | Bails dry? At no. of Casing Volumes 11 Suedcet appear 12 Suedcet appear 13 Suedcet appear 14 Suedcet appear 15 Suedcet appear 16 Suedcet appear 17 Suedcet appear 18 Suedcet ap |
| Comm Purge Sample 2) Samuel Sa | Meta Sul | Data | Ana NWTPH | 307.3 Xdwce Na Sha g Rate in PM DIJ T II Ilyses -Gx, | De Equipme | 29.57 %- F pth of ent in Feet | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Drum left on site |
| Comm Purge Sample 2) San | Meta Sul | Data ntainers | Ana NWTPH BTEX/H | 307.3 Xdwce Ref Sha g Rate in PM DIJ 7 Ill Ilyses -Gx, VOCs -Dx | Der Equipme | 29.57 %— Figure 10 Filter | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Drum left on site |
| Purge Sample 2) Sai | Meta Sul | Data ntainers 4 | Ana NWTPH BTEX/H | 307.3 Xdwce Ref Sha g Rate in PM DIJ 7 Ill Ilyses -Gx, VOCs -Dx | Der Equipme S | 29.57 %- Filter no | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles 7 |
| Purge Sample 2) Sai ottle Type DA 5 L nber | Meta Sul | Data ntainers 4 1 | Ana NWTPH BTEX/H NWTPH Total MT | 307.3 Xdwce Ref Sha g Rate in PM DI J Ilyses GX, VOCs -Dx TCA and MTCA | Deg Equipme | pth of ent in Feet Filter no no | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles 7 |
| Purge Sample 2) Sai ottle Type DA 5 L nber | Meta Sul | Data ntainers 4 1 | Ana NWTPH BTEX/H NWTPH Total MT Metals Dissolve | 307.3 Xdwce Ref Sha g Rate in PM DI J Ilyses GX, VOCs -Dx TCA and MTCA | Perserv. HCI no HNO3 | Pilter no no | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles 7 Duplicate Sample I.D. Field Blank I.D. |
| Purge Sample 2) Sai ottle Type DA 5 L nber 6 L poly | Meta Sul | Data ntainers 4 1 1 | Ana NWTPH BTEX/H NWTPH Total MT Metals Dissolve Metals | 307.3 Xdwce Ref Sha g Rate in PM DI J Ilyses GX, VOCs -Dx TCA and MTCA | Perserv. HCI no HNO3 | Pilter no no | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles 7 Duplicate Sample I.D. Field Blank I.D. Rinseate Sample I.D. |
| Purge Sample 2) Sai ettle Type OA 5 L bber 6 L poly 6 L Poly 7 J Field | Mett Sul | Data ntainers 4 1 1 | Ana NWTPH BTEX/H NWTPH Total MT Metals Dissolve Metals | 307.3 Xdwce Ref Sha g Rate in PM DI J Ilyses GX, VOCs -Dx TCA and MTCA | Perserv. HCI no HNO3 | Pilter no no | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles 7 Duplicate Sample I.D. Rinseate Sample I.D. Type/Brand/Serial No./Material/Units |
| Purge Sample 2) Sai ottle Type DA 5 L nber 6 L poly 6 L Poly 7 J Field | Mett Sul No of Col Id Equip | Data ntainers 4 1 1 | Ana NWTPH BTEX/H NWTPH Total MT Metals Dissolve Metals | 307.3 Xdwce Ref Sha g Rate in PM DI J Ilyses GX, VOCs -Dx TCA and MTCA | Perserv. HCI no HNO3 | Pilter no no | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Total Number of Bottles 7 Duplicate Sample I.D. Field Blank I.D. Rinseate Sample I.D. |

| | Gro | unawa | ater S | samp | ling D | ata - V | Vell I. | D. | HMW-2IA | | |
|-----|-----------|-----------------------------|-----------|-------------------|-------------------|---------------------------|---------------------|--------------|----------------------------|----------------------|---------------------------|
| | Project | t | | Broad | Block | | | | Date/Time Sampled | March 12 | 2020 13 27 |
| | Job No |). | | 19409- | -04-05 | | | - | Tidally Influenced | Yes | No x |
| | Project | : Manager | • | M. Dag | jel | | | _ | Well Depth in Feet | 44.8 (bgs) | |
| | Field R | teps. | | B. Doz | ier/B. Lytle | الر). Higgir | ns/A. Nak | ahara | Screened Interval in Fe | | to 44.8 (bgs) |
| | 1) Pu | rging D | ata/Fie | eld Me | asureme | ents: A | ll Measu | ıreme | ents Relative to Top | of Casing (TOC | () |
| | Well D | epth | | 44.8 (b | | | | _ | Casing Volume in Gallo | ons 2. | 99 |
| | Depth of | of Sedime | ent (DTS |) in Feet | 45. | 391 | | | [2" diameter = $x = 0.163$ | gal/ft] | |
| | Depth of | of Water (| (DTW) in | Feet | 74.0 | | | _ | Purge Volume in Gallon | ns <u>3.</u> | 99 |
| | (DTS - | DTW) | | | 6.39 | | <u> </u> | | Actual Purge in Gallons | +2 | 5BD 10.5 |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct | Diss Oxygen in mg/L | Turbidity in NTU | ORP in mV | Comments: Quality, Recov | ery Color, Odor, She | en. Accumulated Silt/Sand |
| ALT | 1215 | 0. | 7.66 | 14.6 | 0.534 | 2.85 | 79.13 | 1 | INMALY ELILAT GEAY TURO | | |
| | 1224 | 1.0 | 7,42 | 14.6 | 0.557 | 0.76 | 37.11 | | NS, SULATT FISHY DOOR, GI | | 2H L C23 ANGE |
| | 1230 | 2.0 | 7.36 | 14.6 | 0.585 | 0.36 | 11.96 | | | in the second second | |
| | 1235 | 3.0 | 7.38 | 14.5 | 0.603 | 0.22 | 5.93 | -95.9 | - ' | | |
| ١. | 1241 | 4.0 | 7.39 | 14.6 | 0.609 | 0.16 | 4.35 | 99.8 | NS, NO open clear | | |
| SAP | 1247 | 5,0 | 7.40 | 14.6 | 0.619 | 0.11 | 3.22 | -103,0 | 11, SLIGHT FISHY 11 | | |
| 7 | Comm | ents v | | | nuls | | | | | 0 | PNTINUED ON BACK |
| | Commi | , | | | AL GD (D | | GH H | NV NO | ISTE BARNOLS Q TIME C | of smalleng. | <u> </u> |
| | | | XVVCR | 1000 | 1000 | 1716, | | | | | |
| | | Met | hod | | ng Rate in SPM | 1. | th of nt in Feet | | Bails dry? | Yes | No |
| F | Purge | Sseunp | | 0.1 | 3 | 39.8 | | | At no. of Casing Volume | es | |
| s | ample | 55 PUM | P | 0,0 | 98 | 39.8 | 1 | | Purge Water Disposal N | /lethod/Volume | Drum left on site |
| | 2) Saı | mpling | Data | | | | | | te. | | |
| Bot | ttle Type | No of Co | ntainers | Ana | alyses | Perserv. | Filter | | Total Num | ber of Bottles | 7 |
| vo | Α | | | NWTPI BTEX/F | ∃-Gx, | HCI | | | 70001110111 | or or boulds | |
| 0.5 | L | | | | | HOI | no | | | | , . |
| Am | ber | ļ | . 1 | NWTPI Total M | | no | no | | Duplicate : | Sample I.D. | |
| 0.5 | L poly | | 1 | Metals Dissolv | ed MTCA | HNO3 | no | | | | |
| 0.5 | L Poly | | 1 | Metals | | HNO3 | yes | | Field Blan | k I.D. | |
| E | | | | | | | | | Rinseate S | Sample I.D. | - |
| | 3) Fie | ld Equi | pment | | £1 | · · · · · | | 2 | Type/Brand/Serial | | nits |
| | Duman | T /T! | hin a Ton | | / | | | | | | |
| | Bailer | Type/Tul Type | ung ry | Je | 77/ | PE_ | | | Temp/pH/E.C./D.O | 451 055 | |
| | Filter T | | | | 0,45 | um | | | Water Level Probe Other | WATER LINE | |
| | | | | | 0, 13 | 71.11 | | | Otte | | |
| | 4) We | II Cond | itions | | ок [| X | Not OK | | Explain | HC Standards/Fiel | d Forms/GW-Well ID |

| | _103,0 | 3,22 | 0.1(| 0.619 | 14.6 | 7,40 | 5.0 | 1247 |
|------------------------------------|--------------------------|-------------|------------|---------------|------|------|---------|-----------|
| NOTES | m√ olro | TVNB MTV | 00 mg/2 | cano m5/cm | T | PH | GALLONS | TIME |
| NS, NO, CLEAR | | | | 0.624 | | | 6.0 | 125 |
| NS, SCHAT PISHY DOON, CLEAN | | | | 0.626 | | | | 1257 |
| 11 11 11 | | | | 0.629 | | | | 1303 |
| NS, NO, CLEAR, FLOW PATE DELAGASED | DRIMMLALLY BATTON? -107. | 2.65 | 0.05 | 0.633 | 14.5 | 7.43 | 9.0 | 1310 |
| NS, NO, CLORAL. | | | | 0.634 | | | | |
| | -109.2 | 2.50 | 50.0 | 0.637 | 14.8 | 7.42 | 10.5 | 1327 SMPL |

| Project | t | | Broad | Block | | | | Date/Time Sampled | March | 12 | 2020 /1- | 337 |
|---------------------------------|---|---|---|--------------------|---|--|-------|--|--|---------------|------------------|---------------|
| Job No |). | | 19409 | -04-05 | | | | Tidally Influenced | | es | | x |
| Project | t Manage | r | M. Dag | gel | | | | Well Depth in Feet | 62.8 (bgs | | 1, 1,10 | , <u>L</u> |
| Field R | Reps. | | B. Doz | ier/B. Lytle | e/J. Higg | ins A. Nal | ahara | Screened Interval in | | | 62.8 (bgs) | 10 |
| 1) Pu | rging D | ata/Fi | eld Me | asurem | ents: / | All Meas | urem | ents Relative to To | p of Casing | (TOC) | | |
| Well De | epth | | 62.8 (b | gs) | | | | Casing Volume in Ga | illons | 4 | 13 | |
| Depth o | of Sedime | ent (DTS | | A A | 10' | | - | [2" diameter = \times 0.1 | | | 40 | _ |
| | of Water | (DTW) i | n Feet | 36. | 15' | 1 | | Purge Volume in Gal | | 12. | .69 | |
| DTS - | DTW) | | | 15.95 | 5 | | | Actual Purge in Gallo | ns | 7, | 0 | |
| Time | No. of Gallons Purged | pH | Temp in °C | Conduct in S/cm | Diss Oxygen in mg/L | | | Comments: Quality Po | covery Color O | d 01 | , | TIPETY |
| 146 | 0.1 | 831 | 14.1 | 752 | 1.97 | au a | 86.7 | Comments: Quality, Red | Sovery Color, O | dor, Sheen | , Accumulate | ≱d Silt/Sar |
| 102 | 10 | 8.28 | 145 | 756 | 107 | 54.72 | 100.1 | Initially to | Mach | own) | SIGNT | odot, l |
| 201 | 20 | 079 | 141 | 758 | 1.0 | V 1/ / - | 17 | Clearer | - Slist | rt od | or N | 15 |
| 3/16 | 3.0 | 8.18 | 1112 | 750 | 1150 | 35.06 | n 7 1 | Clear 13 | 1 | 11 | · N | 15 |
| 7/12 | 4,0 | 8.30 | 14.1 | 719 | 1,07 | | 10 | 1.3 cloudy | ode | NS | Pump | nos to |
| 310 | (1) | 8.20 | 14.5 | 737 | 1.58 | 701.36 | 87 | · Ollaror | odr | CVS | Out | anda |
| 51 X | | | | | | A Committee of the Comm | | | | | | |
| omme | ents | Pulle Pulle | 19.7 20.5h | Xduces | - 090 L 0 | 35.64 | 8.2 | Didnot a | 10011 | NS Dissolu | rallo | raise dept |
| | Meth | Pulle | l up | 10 | - 090 - 0 | 35.64 R - S oth of ent in Feet | 00) | 0.1 16 | started | | rallo red by | raisu diph |
| | | Pulle | l up | Xduces uf of | - 090 - 0 | | 00 | Didnot Co Rot be re Bails dry? | ctarted Yes | | red by | ra'su |
| | Meth George | Pulle | l up | Xduces uf of | - 090 - 0 | ent in Feet | 00) | Didnot a | Yes | 5 | Not Drum left on | site |
| rge (| Meth Geofedi SUD PU | Pulle | Purging G | Xduces uf of | Der Equipme | ent in Feet | 00) | Didnot Co Rot be re Bails dry? At no. of Casing Volum | Yes | 5 | No | site |
| rge (nple | Meth Geotech Sub pur | Pulle | Purging G | Rate in PM | Der Equipme | ent in Feet | 00) | Bails dry? At no. of Casing Volume Purge Water Disposal | Yes | s | No | site |
| rge (nple | Meth Gentern Sub pur (1) | Pulle Pun mod Data | Purging G | g Rate in PM | Der Equipme | ent in Feet S | 00) | Bails dry? At no. of Casing Volume Purge Water Disposal | Yes | s | No | site |
| rge (nple | Meth Gentern Sub pur (1) | Pulle Pun Pun Data | Purging G | g Rate in PM | Der Equipme 57. | Filter | 00) | Bails dry? At no. of Casing Volur Purge Water Disposal Total Nu | Yes nes Method/Volument | s | No | site |
| rge nple) Sam Type | Meth Gentern Sub pur (1) | Pulle Pund Pund Data ntainers | Purging G O NWTPH BTEX/H NWTPH Total MT | g Rate in PM / 7 | Der Equipme 57. | Filter no | 00) | Bails dry? At no. of Casing Volur Purge Water Disposal Total Nu | Yes | s | No | site |
| rge nple Sam Type poly | Meth Gentern Sub pur (1) | Pulle Pund nod Data ntainers 4 | Purging G O II Ana NWTPH BTEX/H' NWTPH Total MT Metals Dissolve | g Rate in PM / Z | Der Equipme 57. 56. Perserv. HCI no HNO3 | Filter no no | 00) | Bails dry? At no. of Casing Volur Purge Water Disposal Total Nul Duplicate | Yes nes Method/Volument mber of Bottle | s | No | site 6 |
| rge (nple) Sam | Meth Gentern Sub pur (1) | Pulle Pund nod Data ntainers 4 | Purging G O NWTPH BTEX/H NWTPH Total MT Metals | g Rate in PM / Z | Der Equipme 57. | Filter no | 00) | Bails dry? At no. of Casing Volur Purge Water Disposal Total Nu | Yes nes Method/Volument mber of Bottle | s | No | site |
| rge (nple) Sam | Meth Gentern Sub pur (1) | Pulle Pund nod Data ntainers 4 | Purging G O II Ana NWTPH BTEX/H' NWTPH Total MT Metals Dissolve | g Rate in PM / Z | Der Equipme 57. 56. Perserv. HCI no HNO3 | Filter no no | 00) | Bails dry? At no. of Casing Volume Purge Water Disposal Total Number Duplicate Field Blan | Yes nes Method/Volument mber of Bottle | s | No | site |
| rge nple Type r poly Poly | Meth Gentern Sub pur (1) | Pulle Pun Data ntainers 4 | Purging G O II Ana NWTPH BTEX/H' NWTPH Total MT Metals Dissolve | g Rate in PM / Z | Der Equipme 57. 56. Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal Total Number Duplicate Field Blan | Yes nes Method/Volum mber of Bottl e Sample I.D. nk I.D. Sample I.D. | me | No. | site 6 |
| rge nple Sam Type Poly Field | Meth Genter Sun pur II No of Con | Pulle Pun Data Intainers 4 1 1 1 | Ana NWTPH BTEX/H' NWTPH Total MT Metals Dissolve Metals | g Rate in PM / Z | Der Equipme 57. 56. Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal Total Number of Casing Volume Tota | Yes nes Method/Volum mber of Bottl e Sample I.D. nk I.D. Sample I.D. | me | No. | site |
| rge nple Sam Type Poly Field | Meth George Sub pur I I npling L No of Con | Pulle Pun Data Intainers 4 1 1 1 | Ana NWTPH BTEX/H' NWTPH Total MT Metals Dissolve Metals | g Rate in PM / Z | Der Equipme 57. 56. Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal Total Number Duplicate Field Blankinseate | Yes nes Method/Volum mber of Bottl e Sample I.D. nk I.D. Sample I.D. | me | No. | site |

| time 1 | gallons | PH | rap | Public R | eview Dro | ft urb | ORPI | * |
|----------------------|---------|------|------|-------------------|-----------|--------|-------------------------|---------------|
| 1327 1332 1337 | 6.5 | 8.19 | 14.7 | 752 751 750 | 1.44 | 17.04 | -46.8 -66.2 -73.1 | NS, SO, clear |
| | | | | | | | | |

11 8 /

| | Gro | undwa | ater S | Samp | ling D | ata - V | Vell I. | D. | HMW-2S | |
|-----------|-----------|-----------------------------|----------------------|-------------------|----------------------|---------------------------|---|------------|---------------------------|--|
| | Project | t | | Broad | Block | | | | Date/Time Sampled | March 12 2020 1033 |
| | Job No |). | | 19409- | 04-05 | | | - | Tidally Influenced | Yes No x |
| | Project | Managei | r | M. Dag | el | - | | - | Well Depth in Feet | 29.5 |
| | Field R | leps. | | B. Doz | ier/B. Lytle | . Higgir | ns/A. Nak | - ahara | Screened Interval in Fe | |
| | 1) Pu | rging D | ata/Fie | eld Me | asureme | ents: A | ll Meas | - ıreme | ents Relative to Top | of Casing (TOC) |
| | Well D | epth | | 29.5 | | | | | Casing Volume in Gallo | ons 0.79 |
| | Depth of | of Sedime | ent (DTS |) in Feet | 29.61 | | | _ | [2" diameter = $x = 0.16$ | |
| | Depth (| of Water (| (DTW) ir | r Feet | 24.7 | 7.1 | | | Purge Volume in Gallor | 1.37 |
| | (DTS - | DTW) | | | 4.84 | | | _ | Actual Purge in Gallons | |
| | Time | No. of Gallons Purged | pН | Temp | Conduct in #15/cm | Diss Oxygen in mg/L | Turbidity in NTU | ORP | Comments: Quality Base | • |
| TALT | | 0.1 | 7.01 | 13.3 | 0.584 | 4.81 | 6,22 | | INITIALLY CLEAR, NO, NS | very Color, Odor, Sheen, Accumulated Silt/Sand |
| | 1010 | 0.5 | 6.70 | 13,5 | 0.574 | 2.38 | 4.99 | 124.8 | | |
| | 1018 | 1.0 | 6.67 | 13.6 | 0.563 | 1.78 | 5.83 | 122.4 | CLEAR, NS, NO | |
| | 1027 | 1.5 | 6.67 | 13,5 | 0.566 | 1.62 | 12.06 | 124.9 | | |
| _ | 1033 | 7.0 | 6,67 | 13.5 | | 7,0 | | <u> </u> | , , | |
| SMPL | 1033 | 2.0 | 6.67 | 13.5 | 0.567 | 1.62 | 15,71 | 127.8 | W 11 | |
| , | Comm | ents | Del . (3 | A | | \ | I | | | |
| | 00111111 | ionto | 1.845121 | MOTIC | WORKET | <u>werl</u> | - · · · · · · · · · · · · · · · · · · · | 10. | · | |
| | | | | | | | | - | E | |
| | | Met | hod | | g Rate in | | th of nt in Feet | | Bails dry? | Yes No X |
| | ourge | PERISMUTH | L | 0.0 | L 5 | 26' | | | At no. of Casing Volume | AS |
| s | ample | PERISMUT | υĊ | 0,0 | 165 | 261 | | | Purge Water Disposal I | |
| | | mpling | Data | | | | | :0 | Taigo Water Dioposar | Diam let on site |
| | | · · · · · · | | | | | | l | | |
| Во | ttie Type | No of Co | ntainers | | alyses | Perserv. | Filter | | Total Num | ber of Bottles 7 |
| vo | | | 4 | NWTPH BTEX/H | | HCI | no | | | |
| 0.5 Am | L iber | | . 1 | NWTP | H-Dx | no | no | | Duplicate | Sample I.D. |
| | L poly | | 1 | Total M Metals | TCA | HNO3 | no | | | |
| | | | | Dissolv | ed MTCA | | | | 5 , 1, 5, | |
| 0.5 | L Poly | | | Metals | | HNO3 | yes | | Field Blan | k l.D. |
| | | | | | | | | | Rinseate | Sample I.D. |
| | 3) Fie | ld Equi | pment | | | | | | Type/Brand/Serial | No./Material/Units |
| | Pump | Type/Tul | bing Ty _l | oe . | Perlistant | ne / pe | } | | Temp/pH/E.C./D.O | 451 055 |
| | Bailer | Туре | | | | | | • | Water Level Probe | WATELLINE |
| | Filter T | уре | | · | 0.45 | la. | | | Other | |
| | 4) We | ll Cond | litions | | ок | · • | Not OK | | Evolain | |
| | ., | 55114 | | | OK | _^ | NOL UK | | Explain | HC Standards/Field Forms/GW-Well ID |

| Gro | undwater _. S | Sampling D | ata - l | Vell I. | D. | HMW-3D | | | |
|---|---|--|---|--|----------------------|---|-----------------|---------------------------------|--|
| Field R | Manager eps. | Broad Block 19409-04-05 M. Dagel B. Dozier/B. Lytle | | | - | Date/Time Sampled Tidally Influenced Well Depth in Feet Screened Interval in Fe | | | No X No X Recys 72-92 |
| 1) Pui | rging Data/Fie | eld Measureme | ents: A | ll Measu | ıreme | ents Relative to Top | of Casing (| | |
| | of Sediment (DTS of Water (DTW) ir DTW) | | 82' 11' | | - - - | Casing Volume in Gallo [2" diameter = x 0.163 Purge Volume in Gallon Actual Purge in Gallons | B gal/ft] is | 7.92 23.7 6.0 | 6 |
| Time 1051 1051 1106 1125 1141 1207 Comm | | 15.8 574 13.6 592 15.0 586 14.9 585 14.7 583 | Diss Oxygen in mg/L 2,14 1,65 1,57 1,43 1,41 1,41 0A34 | 31.96 56.29 26.91 12.01 9.03 | in mv 6,6 -49, | 1 turbid, 105, 0 turbid,55 8.7 clear, 9 5.1 clear, | sid Corou | m)gstight heen, p -like a | nt petro-like ador etro-like ador dor (petro-like |
| - 10 | wered p | mp rac | -e | | - | | | | |
| Purge Sample | Method Mansoon 45 500 pump | Purging Rate in GPM | Equipme | oth of ent in Feet | (· | Bails dry? At no. of Casing Volume Purge Water Disposal N | | ne <u>Drur</u> | No Kite |
| 2) Sar | mpling Data | | | | | | | | |
| Bottle Type VOA 0.5 L Amber | | NWTPH-Dx | Perserv. HCI | Filter no | | | ber of Bottle | | 7 |
| 0.5 L poly 0.5 L Poly | | Total MTCA Metals Dissolved MTCA Metals | HNO3 | no yes | 2 | Field Blan | k I.D. | _ | |
| | | | | | | Rinseate S | Sample I.D. | | Professional Last Car Based on Channel of Last Car Channel of Last Car Channel of Last Car Channel of Car Chann |
| 3) Fie | ld Equipment | | | | | Type/Brand/Serial | No./Mater | ial/Units | |
| Bailer [*] Filter T | уре | 0.45 | ит | 1 | · · | Temp/pH/E.C./D.O Water Level Probe Other | YST D water | ine. | |
| 4) We | II Conditions | OK | L | Not OK | <u> </u> | Explain Manum | HC Standar | ds/Field Form | ns/GW-Well ID |

| | Grou | ındwa | ater S | amp | ling Da | ata - V | Vell I.I | D. | HMW-3IA | | |
|---|-----------|-----------------------------|-----------|-------------------|------------------|---------------------------|---------------------|-------|----------------------------|-----------------------------|---------------------------|
| | Project | | | Broad B | Block | | | | Date/Time Sampled | March 13 | 2020 1139 |
| | Job No. | | | 19409- | | | | - | Tidally Influenced | Yes | No x |
| | Project | Manager | - | M. Dag | el | | | • | Well Depth in Feet | 44.8 (bgs) | |
| | Field R | eps. | | B. Dozi | er/B. Lytle | /J. Higgin | s/A. Naka | hara | Screened Interval in Fed | | to 44.8 (bgs) |
| | 1) Pur | ging D | ata/Fie | ld Mea | asureme | ents: Al | l Measu | ıreme | ents Relative to Top | of Casing (TOC | C) |
| | Well De | epth | | 44.8 (b | | | | | Casing Volume in Gallo | ns | 2.67 |
| | Depth o | of Sedime | ent (DTS) |) in Feet | 45.69 | 8' | | | [2" diameter = $x = 0.163$ | gal/ft] | |
| | Depth o | of Water (| (DTW) in | Feet | 29.29 | | | | Purge Volume in Gallon | s | .01 |
| | (DTS - I | DTW) | | _: | 10.39 | · | | | Actual Purge in Gallons | | 8.10 |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in mS/cm | Diss Oxygen in mg/L | Turbidity in NTU | ORP | Comments: Quality, Recov | veny Color, Odor, She | Accumulated Silt/Sand |
| 片 | 1003 | 0.1 | 6.86 | 14.0 | 0.629 | 4.41 | 14.60 | 111.7 | IN MALLY CLOAR, NS, NO | 0.3 00.0.1, 0.001, 0.11 | Jon, Accommuted One Oarid |
| | 1017 | 1.0 | 6.39 | 15.8 | 0.653 | 0.41 | 7.36 | 5.4 | CLEAR NS NO | | |
| | 1030 | 2.0 | 6.72 | 15.9 | 0.629 | 0.47 | 4.63 | -17.5 | CLEAR 13, STROMB SOLI | loat / DE-ACI GIM | LAVE DOM |
| | 1043 | 3,0 | 6.77 | 16.0 | 0,620 | 0.58 | 4.41 | -21.6 | | ver. / re naces | 0.700 |
| <u>بد</u> | 1054 | 4.0 | 6.80 | 15.9 | 0.623 | 0.71 | 4.33 | -16.6 | " MEDIUM SO | LUENT/PETRO | -LIKE ODER |
| de la la la la la la la la la la la la la | 1105 | 5,0 | 6.80 | 15.8 | 0.630 | 0.56 | 3.35 | -19.2 | | 11 / 10 | a B |
| | Comm | ents -041 | はかいか | C not | OFWEU | F0915. | -12.40 | 7 | | Ce | entinued on BACK |
| | | | 72171700 | , ,,, | | (VII) | | | | | į |
| | | | | 1 | | | | 1 | | | |
| | | Met | hod | | g Rate in SPM | | th of nt in Feet | | Bails dry? | Yes | No X |
| ı | Purge | SS BUBM | 184511916 | 0. | 1 | 39.8 | | | At no. of Casing Volume | es | |
| S | ample | SS SUBM | ren since | 0. | .1 | 39.8 |) ———— | | Purge Water Disposal N | /lethod/Volume | Drum left on site |
| | 2) Sar | npling | Data | | | | | | | | |
| Bot | itle Type | No of Co | ntainers | An | alyses | Perserv. | Eiltor | | Total Num | ber of Bottles | 7 |
| VO | | | | NWTPI BTEX/I | l-Gx, | HCI | no | | 1 otal 14dili | ibel of bottles | |
| 0.5 | L | | | | | | | | ъ., | | |
| | ber | , | | NWTPI Total M | | no | no | | Duplicate | Sample I.D. | |
| <u>).5</u> | L poly | | 1 | Metals Dissolv | ed MTCA | HNO3 | no | | | | |
| 0.5 | L Poly | | 1 | Metals | | HNO3 | yes | | Field Blan | k I.D. | |
| | | | | | | | | | Rinseate | Sample I.D. | |
| | 3) Fie | ld Equi | pment | | | | | | Type/Brand/Serial | No./Material/U | Units |
| | Pump | T ype/T u | bing Ty | ре | 55 /1 | 'ε | | _ | Temp/pH/E.C./D.O | 455 051 | |
| | Bailer ' | Туре | | | | | | | Water Level Probe | IN ATTER LINE | |
| | Filter T | уре | | | 0,45 | им | | | Other | | |
| | 4) We | II Cond | litions | ALP. | OK | , | Not OK | X | Explain FLOOPED | MONVAENT HC Standards/FI | eld Forms/GW-Well ID |

NOTES

CLEAR, NS, SMOND SOLVENT/PETROLEM-LIKE OPOR

11, 11, 11 11 11

SAMPLE

-4.5 3.35 0.56 0.630 15.8 6.80 5.0 1105

ORP TURB DO COND T PH GALOS TIME MV NTU Mg/L MS/cm °C

-23.3 3.77 0.38 0.633 16.2 6.78 6.0 11.8

-20.6 2.44 0.40 0.642 16.0 6.80 7.0 1128

-23.0 2.43 0.32 0.641 16.1 6.79 8.1 1139

| | Gro | unawa | ater S | amp | ווng ט | ata - v | veii i.i | D. | HMW-41/ | 4 | | | | |
|------|----------------|-------------------|-------------|-------------------|-----------------|-------------------|------------------|--------------|-------------------------|-----------------|--------------|--------|-----------------|-----|
| | Project | | | Broad I | Block | | | | Date/Time Sampled | March \ | D 20 | 020 | 1730 | |
| | Job No | ı . | | 19409- | 04-05 | | | - | Tidally Influenced | Yes | T T | | No x | |
| | Project | Manager | | M. Dag | jel | | | - | Well Depth in Feet | 59.75 | | | | |
| | Field R | eps. | 1 | B. Doz | ie)/B. Lytle | VJ. Higgir | s/A. Naka | ahara | Screened Interval in F | eet | 49.75 to | 59.75 | | |
| | 1) Pu | rging D | ata/Fie | eld Me | asureme | ents: A | ll Measu | ireme | ents Relative to Top | of Casing | (TOC) | | | |
| | Well D | epth | | 59.75 | | | | | Casing Volume in Gali | lons | 3.82 | 2 | | |
| | Depth o | of Sedime | ent (DTS | in Feet | 57. | 27' | [50.00.00] | | [2" diameter = x 0.16 | 3 gal/ft] | | | | |
| | Depth o | of Water (| DTW) in | Feet | | <u> 84'</u> | | METER. | Purge Volume in Gallo | ons | 11-4 | 6 | | |
| | (PTS - | DTW) | | - | 23. | 13' | | | Actual Purge in Gallon | | 3.7 | 5 | | - |
|)\U | _ / | No. of Gallons | | Temp | Camelust | Diss | T L. L. L. L. L. | 000 | Initially | | | | * | |
| | Time | Purged | pН | in °C | Conduct in S/cm | Oxygen in mg/L | Turbidity in NTU | ORP in mV | Comments: Quality, Reco | overy Color, Oc | lor, Sheen, | Accum | nulated Silt/Sa | and |
| uts | 提步 | 1.5 | 8.9 | 14, 3 | 55.5 | 2,01 | 79.00 | 140.1 | TURBIP PULLED DUMP OF | 2, GRAY TURE | NO PPH NE | D, NS | | |
| 40 | 1700 | 2.5 66 | 8,20 | 16.6. | 55 S | 1.58 | 31.14 | 98.9 | NO, NS, CLEAR | | | · · | 1 | |
| | 1715 | 3.0 | 8.17 | 16.3 | 556 | 1.52 | 15.02 | 78.3 | 11, 11, 11 | | | | × | |
| SMPL | 1730 | 3.35 | 8,18 | 16,8 | 556 | 1.48 | 12.06 | 59.2 | n n n | | - | | | |
| | | 3 | | | | | | | | | | | | |
| SMPL | | | · · · · · · | | | | | | | | | | | |
| * | Comm | onte | | 1 | | | L | | | | | | | |
| | | | | | - | | - | | | | | | · · · · · · | |
| 00 | ok a | 4 x2. | wes | 153 | 3-1= | 018 | | | | | | | | |
| | | | | _ | ng Rate in | | = Equipment | | | | | | X | |
| | | Metl | | - | SPM | in F | eet 52.h | FF | Bails dry? | Yes | | | No / | |
| | Purge | pump | , | Da |)3 | 54 | 753.ct | BL | At no. of Casing Volum | nes | 4 | | - Andrews | |
| | ·1- | w | | | " | 52 | .4 | | | | | | | |
| ட | ample | <u> </u> | | | | | | l | Purge Water Disposal | Method/Volui | me <u>Dr</u> | um lef | ft on site | |
| | 2) Sai | mpling | Data | | | | | | | | | | | |
| Во | ttle Type | No of Co | ntainers | | alyses | Perserv. | Filter | | Total Nun | nber of Bottl | es | | 8 | |
| VC | λ | | 4 | NWTPH BTEX/H | | HCI | no | | | | | | | |
| 0.5 | i L | | | NWTP | | | | | _ | | | | | |
| Am | nber | | 2 | PAHs Total M | TCA | no | no | | Duplicate | Sample I.D | · <u> </u> | | | |
| 0.5 | L poly | | 1 | Metals | | HNO3 | no | | | | | | | |
| 0.5 | L Poly | | 1 | Dissolv Metals | ed MTCA | HNO3 | yes | | Field Blar | nk I.D. | | - | | |
| | | | _ | | | - 200° | | | Rinseate | Sample I.D. | | | | |
| | 0) 5: | | | · · · · · · | | | | 1 | | | _ | | | |
| | 3) Fie | ld Equi | pment | | | | | | Type/Brand/Seria | l No./Mate | rial/Uni | ts | | |
| | Pump | Type/Tul | oing Typ | oe | 55 pm | nel f | PE | | Temp/pH/E.C./D.O | YSI. | DSS |) | | |
| | Bailer | Туре | | | - | | ж | | Water Level Probe | woode | Hini | Q Q | | |
| | Filter T | уре | | | 0.45 | MIC | rons | | Other | | <u> </u> | | | |
| | 4) We | II Cond | itions | | ок | | Not OK | X | Explain MONUM | | oded | orme/ | GVV-VVeil ID | |
| | | | | | | | | | | | | | | |

| Groun | dwater Sa | ampling Da | ita - W | /ell I.D |). | HMW-5IB | | | |
|----------------|-------------------|-----------------------------|----------------|---------------------|--------------|----------------------------|---------------------|--------------|---------------------------------------|
| Project | | Broad Block | | | 52 | Date/Time Sampled | March 17 | 2020 | 11332 |
| Job No. | - | 19409-04-05 | | | | Tidally Influenced | Yes | | No x |
| Project Ma | anager I | M. Dagel | | | | Well Depth in Feet | 62.2 | | |
| Field Reps | s. (1 | B. Dozie /B. Lytle/ | J. Higgins | s/A. Naka | hara | Screened Interval in Fed | et 52 | .2 to 62.2 | |
| 1) Purgi | ing Data/Fiel | d Measureme | nts: All | Measu | reme | nts Relative to Top | of Casing (TC | 031 | 2.48'-0.29' |
| Well Dept | | 62.2 | | | | Casing Volume in Gallo | . 1 | .67 | |
| Depth of S | Sediment (DTS) | | | | | [2" diameter = $x = 0.163$ | gal/ft] | 4.3 | |
| Depth of V | Water (DTW) in | Feet 34.4 | <u>51</u> | | | Purge Volume in Gallon | s \(\frac{1}{1}\) | 1,00 | |
| (DTS - DT | W) _ | 28.641 | | | | Actual Purge in Gallons | 1 | 1,017 | |
| | No. of | T | Diss | T | | | | | |
| 1 1 | Ballons Purged PH | Temp Conduct in °C in #S/cm | Oxygen in mg/L | , | ORP in mV | Comments: Quality, Recov | very Color, Odor, S | heen. Accu | mulated Silt/Sand |
| , | | | | | 137.B | - As - 11 - 1 | * | | |
| | 1 | 14.6 555 | 1.56 | | <u></u> | initially decer | | > | · · · · · · · · · · · · · · · · · · · |
| 1121 1 | ·0 7.15 | 14,7556 | 0.55 | | 52. | <u> </u> | 0,05 | | T' |
| | 2.0 7.34 | 14.9 556 | 0.24 | 4,88 | -55 | + clear, NO | 100 | | |
| | 5.0 7.35 | 15.0 555 | 0.16 | 3,38 | -40 | of clear, | 10, NS | | <u> </u> |
| 2 1156 4 | 1.0 7.35 | 15.1 553 | 0.18 | 4.16 | -49 | 1.0 clear, 1 | 10, N5 | | |
| 2074 | 5.0 7.36 | 15.2552 | 0.13 | 4.95 | -50 | 1.6 clear | NO.LX | | |
| | 1 00 | rever | 20 | | | , | | | |
| Commer | its <u>/</u> | - (000) | | | (§ 1 | <u> </u> | | | |
| | ·- | | | | | | · · · · · · | · | |
| | Method | Purging Rate in GPM | Equipme | th of nt in Feet | | Bails dry? | Yes | | NoX |
| | ssub pump | 0,1 | 54.7 | ` | | At no. of Casing Volum | es | | |
| Sample | 11 | ١ (| 54; | 71 | | Purge Water Disposal | Method/Volume | Drum | ı left on site |
| 2) Sam | pling Data | | | | | | | | |
| D # 7 | 1000000 | Analusas | Perserv. | Filter |] | Total Nur | nber of Bottles | | 8 |
| Bottle Type | No of Containers | Analyses NWTPH-Gx, | reiserv. | riiter | - | rotal Nul | inder of bottles | - | |
| VOA | 4 | BTEX/HVOCs | HCI | no | 4 | | | | |
| 0.5 L Amber | 2 | NWTPH-Dx, PAHs | no | no | | Duplicate | Sample I.D. | | |
| | 4 | Total MTCA | HNO | 200 |] | | | | |
| 0.5 L poly | | Metals Dissolved MTCA | HNO3 | no | - | | | | |
| 0.5 L Poly | 1 | Metals | HNO3 | yes | - | Field Blai | nk I.D. | | |
| | | | | | } | Rinseate | Sample I.D. | 444 | |
| 3) Field | d Equipment | | | | | Type/Brand/Seria | l No./Materia | al/Units | |
| Pump T | ype/Tubing Ty | ne SPU | mp/ | PE | | Temp/pH/E.C./D.O | YSI | D85 | |
| Bailer T | | | 4 4 4 . | | - | Water Level Probe | worter | The | |
| Filter Ty | • • | 0.45 | MM | | - | Other | | | |
| | | <u></u> | -1/ | 1 | _ | - | | | |
| 4) Wel | l Conditions | OK | <u> </u> | Not OK | L | Explain | · HC Standard | s/Field Forn | ns/GW-Well ID |

| | Time | #6el Purged | PH | Temp | cond l uslam | DO | OTUT JUTU | ORP HV | Comments |
|------|-------|----------------|------|------|-----------------|------|-----------|-------------|---------------|
| | 1217 | 6.0 | 7.36 | 15.2 | 551 | 0.11 | 3.65 | 1-59.1 | clear, NO, NS |
| | 1207/ | 7.0 | 7.37 | 15.2 | 551 | - | | -62,5 | clear, NO, NS |
| 1 | 1236 | 8.8 | 7.36 | 15.3 | 550 | 0.06 | 2.96 | | clear, NO, NS |
| | 1245 | 9.0 | 7.37 | 15,1 | | | 2.79 | -60.7 | dear, NO, No |
| | 1257 | 16.0 | 7.37 | 15.4 | 549 | 0.04 | 2,73 | -71.3 | ti ti li |
| | 1305 | 11.0 | 7,36 | 15.6 | 549 | 0.02 | 2.87 | -72.6 | the tell |
| / | 1313 | 12.0 | 7.37 | 15,6 | 548 | 0.06 | 251 | -73,2 | 11 11 |
| | 1323 | 13.0 | 7.37 | 15,6 | 5-4-8 | 0.03 | 2.71 | -75.4 | 11 11 4 |
| SHPL | 1332 | 14,0 | 7.37 | 15.6 | 549 | 0.01 | 2.64 | -77.3 | 11 4 11 |

-655

0.060

| | Gro | unawa | ater 3 | amp | nng D | ala - V | veii i.i | J. | HMW-6D | | | | |
|----------|-----------|-------------------|----------|--------------------|--------------------|-------------------|------------------|------------|------------------------------|-----------------|----------------|---------------------|---|
| | Project | | | Broad E | Block | | | | Date/Time Sampled | March 16 | 2020 | 1040 | |
| | Job No | | | 19409-0 | 04-05 | · · | | - | Tidally Influenced | Yes | | No x | |
| | Project | Manager | • | M. Dag | el | | | - | Well Depth in Feet | 92.4 | | | |
| | Field R | eps. | | | | . Higgin | ns/A. Naka | - ahara | Screened Interval in Fe | | 82.4 to 92.4 | | _ |
| | 1) Pui | rging D | ata/Fie | | C | | | _ | ents Relative to Top | of Casing | (TOC) | 2.88 Abs | |
| | Well De | epth | | 92.4 | | | | | πν Casing Volume in Galle | _ | 7.89 | | |
| | | of Sedime | ent (DTS | | A.C. 4 | 31 | | - | [2" diameter = \times 0.16 | - | 7.01 | | |
| | , | of Water (| | | 46,91 | _ | | - | Purge Volume in Gallor | | 23.7 | | |
| | (DTS - | | , | | 48.42' | | | - | Actual Purge in Gallons | - | 5.0 | | _ |
| | | No. of | | | | Diss | | | | | | | _ |
| | Time | Gallons Purged | pН | Temp in °C | Conduct in file/cm | Oxygen in mg/L | | | Comments: Quality, Reco | very Color, Odd | or, Sheen, Acc | :umulated Silt/Sand | |
| MLT | 0956 | 0, | 8.05 | 14,5 | 642 | 2.88 | 129.36 | -91.1 | INTTALLY SLILMT GRAT | TURSIDITY. | N5. ND | | |
| | 1007 | 1.0 | 8.36 | 15.0 | 641 | 1.61 | | | MILO 6041 THEBIOITY , | | | THE MOR | |
| | 1018 | 2.0 | 8.43 | 15.8 | 628 | 1.43 | | | CUEM, NO, NS | | | | |
| | 1025 | 3,0 | 8-51 | 15.8 | 626 | 1.40 | 17.79 | -474.1 | p " H N | | | - | |
| پ | 103.5 | 4.0 | 8.47 | 16.0 | 629 | 1.36 | 14.41 | -528. | 3 11 11 | | | | |
| SMPL | 1040 | 5,0 | 8.44 | 15.8 | 628 | 1.36 | 16.47 | 534.5 | W W W | | | | |
| | Comm | ents | TOL | 16 ~ 2 | .88 AO | DIE LADIN | | | | | | | _ |
| | Oomin | CITES | | -3 - 2 | , -0 No | AAC CHON | -D SNOTHER | | | | | | _ |
| | | | | | | | | | | | | | _ |
| | | Met | hod | _ | g Rate in | | Equipment eet | | Bails dry? | Yes | | No | |
| | Purge | SS SUBM | લસમાર | ٥. | 1 | 87.41 | | | At no. of Casing Volum | es | | | |
| | | | | _ | | 87,41 | | | renor or odoring volum | • | | | |
| S | ample | S) SUBME | es ble | 0. | -1 | 9 0.31 | 2619 | | Purge Water Disposal I | Method/Volun | ne <u>Drum</u> | left on site | |
| | 2) Sar | npling | Data | | | | | | | | | | |
| Bot | ttle Type | No of Co | ntainers | | alyses | Perserv. | Filter | | Total Num | ber of Bottle | es | . 8 | |
| vo | Α | | 4 | NWTPH BTEX/H | | HCI | no | | | | | | |
| 0.5 | L | | | NWTPH | | | 170 | | | | ***** | | |
| Am | ber | | 2 | PAHs Total M | TCA | no | no | | Duplicate | Sample I.D. | | | |
| 0.5 | L poly | | 1 | Metals | | HNO3 | no | | | | | | |
| 0.5 | L Poly | | 1 | Dissolve Metals | ed MTCA | HNO3 | yes | | Field Blan | k I.D. | | | |
| \vdash | - | | | | | | | | Rinseate S | Sample I.D. | ~ | | |
| | 3) Fie | ld Equi | pment | | | | | | Type/Brand/Serial | | rial/Units | | |
| | Pump 1 | Type/Tul | bing Tyr | oe . | GS SUBA | agasions | /PE | | Temp/pH/E.C./D.O | 49 06S | ς | | |
| | Bailer | • • | | | | | * | • | Water Level Probe | WATELLI | | | _ |
| | Filter T | | | • | 0.43 | hm | | | Other | NOT IDEC | | | _ |
| | 4) We | II Cond | itions | • | OK | | Not OK | · | Explain | | | | |
| | - | | | | | | | | | HC Standa | rds/Field Form | is/GW-Well ID | - |

| Pro | ject | | Broad Block | | | Date/Time Sampled March 13 2020 / 15-44 |
|----------------|--|----------|--------------------------|-------------|---|---|
| Job | No. | | 19409-04-05 | | | Tidally Influenced Yes No x |
| Pro | ject Manager | Ī | M. Dagel | | | Well Depth in Feet 50.25 |
| Fiel | ld Reps. | (1 | B. Dozier/B. Lyt | le/J. Higgi | ns/A. Nak | ahara Screened Interval in Feet 40.25 to 50.25 |
| 1) | Purging Da | ta/Fiel | d Measuren | nents: A | ll Measi | urements Relative to Top of Casing (TOC) - 2.66'Stor |
| We | II Depth | _ | 50.25 | · | | _ Casing Volume in Gallons 2.86 |
| Dep | oth of Sediment | (DTS) | in Feet <u> 51.53</u> | 5 | | [2" diameter = x 0.163 gal/ft] |
| Dep | oth of Water (D | TW) in f | Feet33. ^c | 79 | | Purge Volume in Gallons |
| (DT | S - DTW) | _ | 17.56 | | | Actual Purge in Gallons |
| | No. of Gallons | | Temp Conduc | Diss | | |
| Tir | me Purged | рН | in °C in #iS/cr | | Turbidity in NTU | in mV Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand |
| 12/15 | 19 Oal 9 | 5.59 | 14.7 691 | 779 | 56,33 | |
| 15. | '' | | 15.0 759 | 1 2.01 | 11.19 | |
| 77 | | | 1 2 | | + | 126-P clear, NO, NS |
| (15: | - 0 | - , | | 2.12 | 4,77 | 105.3 clear, NO, NS |
| 15: | 39 3.0 9 | .36 | 15.4 674 | 12.14 | 4.01 | 102.0 clear, NS, NO |
| 4 | | | 10 1 100 | | | |
| NS 150 | 45 4,0 9 | .04 | 15.5672 | 2.14 | 3.69 | 97.8 clear, NO, NS |
| Col | mments $\sqrt{2}$ | lowe | & pump | Toute | 2 | , |
| Y | | | (| | | |
| | | | | Т | |] |
| | Metho | d | Purging Rate in GPM | | oth of ent in Feet | Bails dry? Yes No |
| | Manson | | | 44 | | |
| Purge | | Т | | - 00 | | At no. of Casing Volumes |
| Samp | le \ | | 1.1 | (| (| Purge Water Disposal Method/Volume Drum left on site |
| 2) : | Sampling D | ata | | | | |
| | | T | <u> </u> | T^{-} | | |
| Bottle T | ype No of Cont | | Analyses NWTPH-Gx, | Perserv. | Filter | Total Number of Bottles 8 |
| VOA | | 4 E | BTEX/HVOCs | нсі | no | |
| 0.5 L Amber | | | NWTPH-Dx, PAHs | no | no | Duplicate Counts I D |
| Amber | | | Total MTCA | no | no | Duplicate Sample I.D. |
| | olv İ | | Metals Dissolved MTCA | HNO3 | no. | |
| 0.5 L pc | | | | 1 | yes | Field Blank I.D. |
| | | | <u>Vetals</u> | HNO3 | 1,00 | |
| | | | Metals | HIVOS | ,,,, | Pinsoata Sample I D |
| 0.5 L P | oly | 1 1 | Metals | FINOS | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Rinseate Sample I.D. |
| 0.5 L P | | 1 1 | Vetals | HINOS | 1,00 | Rinseate Sample I.D. Type/Brand/Serial No./Material/Units |
| 0.5 L Po | oly | nent | | opm | | 4 |

Filter Type

O,45MM

Other

4) Well Conditions

OK

Not OK

Explain

HC Standards/Field Forms/GW-Well ID

| | Grou | ındwa | ater S | ampi | ling Da | ata - V | Vell I.I | D. | HMW-6IB | | |
|-----------|-------------|-------------------|-----------|-------------------|---|----------------|-----------------------|----------|----------------------------|---------------------|---|
| | Project | | | Broad E | Block | | | | Date/Time Sampled | March 13 | 2020 1635 |
| | Job No. | | | 19409-0 | 04-05 | | | • | Tidally Influenced | Yes | No x |
| | Project | Manager | | M. Dag | el | | | | Well Depth in Feet | 63 | |
| | Field Re | eps. | | B. Dozi | er/B. Lytle | J. Higgir | s/A. Naka | hara | Screened Interval in Fee | et 53 t | o 63 |
| | 1) Pur | rging D | ata/Fie | ld Mea | sureme | ents: A | ll Measu | ıreme | ents Relative to Top o | of Casing (TO | C) = 2.98' AGS |
| | Well De | epth | | 63 | | | | _ | Casing Volume in Gallor | ns | 1.80 |
| | Depth o | of Sedime | ent (DTS) |) in Feet | | 4.58 | | | [2" diameter = $x = 0.163$ | gal/ft] | |
| | Depth o | of Water (| (DTW) in | | 35.1 | <u>5</u> | | | Purge Volume in Gallons | s | 14.40 |
| | (DTS - I | DTW) | | | 1.43' | | | | Actual Purge in Gallons | | 12,0 |
| | | No. of | | | | Diss | | | | | |
| | Time | Gallons Purged | pН | Temp in °C | Conduct in mS/cm | Oxygen in mg/L | Turbidity in NTU | | Comments: Quality, Recove | ery Color, Odor, Sh | een Accumulated Silt/Sand |
| T | 1518 | 0-1 | 1,77 | 10,9 | | | 713.14 | | | | |
| | 1529 | | | | 0.625 | 1.89 | | | INITIALLY CLEAN, NO, M. | , | الم |
| | | 1.0 | 8.61 | 14.7 | 0,622 | 0.54 | | 156.8 | GRAY TURBID ITY, NO, | NS | 8 |
| | 1244 | 2.0 | 8.67 | 14.5 | 0.629 | 0.25 | 20.06 | 133,0 | CLEAR, NO, NS | | 2 1 |
| | 1554 | 3.0 | 8.63 | 15.9 | 0.628 | 0.12 | 11.13 | 117.3 | th th | | |
| ىڭ | 1559 | 4.0 | 8.71 | 15.6 | 0.624 | 0.09 | 9.38 | 106.7 | 11 11 11 | | |
| SMPE | 1605 | 5.0 | 8.68 | 15.6 | 0.629 | 0.06 | 5.65 | 92.7 | 11 11 V | | CONTINUES |
| • | Comm | onto | | 1 | | | 1 | <u> </u> | 2 6 | | BACK |
| | Commi | ens | | | | | | | | | |
| | | | | | | | | | | | ¥6 |
| | | Met | hod | | g Rate in | | oth of ent in Feet | | Bails dry? | Yes | NoX |
| F | ourge | 55 sua | pump | 0. | 18 | 58'66 | 5 (61'Brow) | | At no. of Casing Volume | es | Contract parties |
| s | ample | 85 5V B | gonp | 0. | 8 | 58 1 | 61, BLOT) | | Purge Water Disposal M | lethod/Volume | Drum left on site |
| | 2) Sar | m plin g | Data | | | | | | | | |
| Bo | ttle Type | No of Co | ontainers | Ana | alyses | Perserv. | Filter |] | Total Num | ber of Bottles | 8 |
| | | | | NWTP | I-Gx, | | | | | | |
| VC 0.5 | L | | 4 | BTEX/F | | HCI | no | 1 | | | |
| | ber | | 2 | PAHs | · | no | no | | Duplicate : | Sample I.D. | *************************************** |
|).5 | L poly | | 1 | Total M Metals | TCA | HNO3 | no | | | | |
| | | | | Dissolv | ed MTCA | | | | | | |
| 0.5 | L Poly | , | 1 | Metals | | HNO3 | yes | - | Field Blan | k I.D. | |
| _ | | | | | | | | | Rinseate S | Sample I.D. | 2 s $_{1,1}$, e.g., $p_{\rm eff}$ % (19 %) as a constant and the first constant and the constant and th |
| | 3) Fie | ld Equi | ipment | | | | | • | Type/Brand/Serial | | /Units |
| | Pumn ' | Type/Tu | bina Tvi | ne | 55 5 | VONGESI | DIE / PE | | Temp/pH/E.C./D.O | 451 055 | |
| | Bailer | | ולי פייי | | <u>, , , , , , , , , , , , , , , , , , , </u> | | - | - | Water Level Probe | | INIS |
| | Filter T | | | | , 4¢ | Mm | | - | Other | - water | 411/0 |
| | i ilici l | yp c | | | <u> </u> | rim | | - | Otrici | | |
| | 4) We | ell Conc | ditions | | OK | Χ | Not OK | | Explain | HC Standards/F | rield Forms/GW-Well ID |

| NOTES | 023 MV | TURG | DO mg/L | 10ND - | T. | pН | GALLOW | TIME |
|--|-----------|-------|------------|--------|------|------|--------|-------|
| CLEM NO, NS | 795 | 6.04 | 0.04 | 0633 | 15.7 | 842 | 6.0 | 1610 |
| A | 68.5 | 6,21 | 0.03 | 0.633 | 15.5 | 8.61 | 7.0 | 1614 |
| Clam NO, PS | 55.2 | 4,63 | 0.02 | 0.633 | 15.7 | 8,61 | 8,0 | 16 18 |
| $s \cdot \frac{n}{\ell} \cdot t $ | 40.1 | 3,84 | 0,01 | 0.635 | 15.5 | 8,59 | 9.0 | 1422 |
| 16 11 | 28.4 | 3.29 | 0.00 | 0.635 | 15,6 | 8.58 | 10.0 | 1627 |
| W W W | 139 | 3,19 | 0.00 | 0.635 | 15.6 | 8,57 | 11.0 | 1631 |
| of the state of th | 1.2 | 11.48 | 0,00 | 0,634 | 15.6 | 8.57 | 12,0 | 1635 |

| Gro | undwa | ater S | ampi | ing va | ita - V | veii i.L | <i>,</i> | HMW-7IB | | | · |
|---|--|--------------------------------|--|-------------------------------|--|-----------------------|----------|--|--|-----------------|--|
| Project | | | Broad E | Block | | | | Date/Time Sampled | March 12 | | 1638 |
| Job No | | | 19409-0 | | | | • | Tidally influenced | Yes | | Nox |
| | : Manager | | M. Dage | el | | | | Well Depth in Feet | 62.45 | | |
| Field R | | • | B. Dozie | er/B. Lytle/ |). Higgin | s/A. Naka | hara | Screened Interval in Fe | et 5 | 52.45 to 62. | 45 |
| 1) Pu | rging D | ata/Fie | ld Mea | sureme | nts: Al | l Measu | reme | nts Relative to Top | of Casing (7 | TOC) | 2.356 |
| Well D | | | 62.45 | | | | | Casing Volume in Gallo | | 4.59 | |
| | of Sedime | ent (DTS) | | 63.9 | 31 | | | [2" diameter = $x = 0.163$ | - | | |
| Depth | of Water (| (DTW) in | Feet | 35. | 80 ' | | | Purge Volume in Gallon | ns _ | 13.76 | |
| (DTS - | DTW) | | | 28.13 | | | | Actual Purge in Gallons | _ | 14.0 | |
| | No. of Gallons | | Temp | Conduct | Diss Oxygen | Turbidity | ORP | | | | |
| Time | Purged | pН | in °C | in mS/cm | in mg/L | | | Comments: Quality, Recov | very Color, Odor | , Sheen, Acc | umulated Silt/Sand |
| 1530 | 0.2 | 8.19 | 14.7 | 0.657 | 2.10 | 37086 | -76.8 | INITIALLY SLIGHT GRAY TO | 10 10174 NS | | |
| 1537 | 1.0 | 7.73 | 16.2 | 0.644 | 0.47 | 126.83 | -124.6 | GAY TUROD, NS, GLIC | Hrogon | | |
| 1544 ⁶¹ | 2.0 | 7,71 | 16.2 | 0.623 | 0.25 | 34,80 | -149.1 | CLEAR, NS, SLIGHT | 2000 | | |
| 1550 | 3.0 | 7.70 | 16.1 | 0.678 | 0.18 | 15.75 | -161.6 | " , 45, 40 | | | |
| 1551 , | 4.0 | 7.70 | 16.1 | 0.623 | 0.13 | M.01 | -170,7 | 11 11 11 | | 4.5 | |
| 1731, | | | | | | | | | | CONTI | NUED ON BACK |
| | | | | | | | | | | | |
| Comn | nents | TOC IS | 2.38 | Above - Mo l | doment B | id conct | etc | Rooting (whiz | hk 0.3 | above. | grand) |
| Comn | | TOC 15 | Purgir | Above Androng Rate In | Dep | oth of | etc | Rooting (which Bails dry? | h k 0.3 | above | No X |
| | | thod | Purgir | ng Rate In SPM | Dep | eth of ent in Feet | ete | 3 | Yes | above | |
| Comm Purge Sample | Me | thod | Purgir | ng Rate In SPM | Dep Equipme | oth of nt in Feet | ete | Bails dry? | Yes | | |
| Purge | Me 5, Pur | thod ~ (° | Purgin 0 . 7 | ng Rate In SPM | Dep Equipme | oth of nt in Feet | ete | Bails dry? At no. of Casing Volum | Yes | | No X |
| Purge Sample | Me 55 Pur 55 Nu ampling | thod ~ (° | Purgin 0 . 3 | ng Rate in GPM | Dep Equipme | oth of nt in Feet | ete | Bails dry? At no. of Casing Volum Purge Water Disposal | Yes | ne <u>Dru</u> n | No X |
| Purge Sample 2) Sa | Me 55 Pur 55 Nu ampling | thod P Data ontainers | Purgin 0 . 3 | ng Rate in GPM | Dep Equipme 57.49 57.49 | oth of ent in Feet | ete | Bails dry? At no. of Casing Volum Purge Water Disposal | Yes res Method/Volum | ne <u>Dru</u> n | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L | Me 55 Pur 55 Nu ampling | thod P Data ontainers | Purgin 0 . 2 0 . 2 An NWTP BTEX/I | alyses H-Gx, | Dep Equipme 57.45 57.45 Perserv. | oth of ont in Feet | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur | Yes les Method/Volum | ne <u>Drun</u> | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type | Me 55 Pur 55 Nu ampling | thod P Data ontainers | Purgin 0 . 2 0 . 2 NWTP BTEX/I NWTP PAHs | alyses H-Gx, H-Dx, | Dep Equipme 57.49 57.49 | oth of ent in Feet | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur | Yes res Method/Volum | ne <u>Drun</u> | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L | Me 55 Pur 55 Pur 65 Pur 65 Pur 65 Pur | thod P Data ontainers 4 | An NWTP BTEX/NWTP PAHs Total Metals | alyses H-Gx, HVOCs | Perserv. HCI | oth of ont in Feet | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur | Yes les Method/Volum | ne <u>Drun</u> | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L mber | Me 55 Pur 55 No of C | thod P Data ontainers 4 2 | An NWTP BTEX/NWTP PAHs Total Metals | alyses H-Gx, HVOCs H-Dx, | Perserv. HCI no HNO3 | Filter | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur | Yes Method/Volum mber of Bottle Sample I.D. | ne <u>Drun</u> | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L mber 5 L poly | Me 55 Pur 55 No of C | thod P Data ontainers 4 2 | An NWTP BTEX/NWTP PAHs Total Metals Dissolv | alyses H-Gx, HVOCs H-Dx, | Perserv. HCI | Filter no no | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur Duplicate Field Blan | Yes Method/Volum mber of Bottle Sample I.D. | ne <u>Drun</u> | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L mber 5 L poly 5 L Poly | Me 55 Pur 55 No of C | thod P Data Ontainers 4 1 | An NWTP BTEX/I NWTP PAHs Total Metals Dissolv Metals | alyses H-Gx, HVOCs H-Dx, | Perserv. HCI | Filter no no | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur Duplicate Field Blan | Yes Method/Volum mber of Bottle Sample I.D. nk I.D. Sample I.D. | ne <u>Drun</u> | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L mber .5 L poly .5 L Poly | Me 55 Pur 55 Pur 56 Pur 66 No of C | thod Data Ontainers 4 1 | Purgin O . 6 NWTP BTEX/I NWTP PAHs Total Metals Dissolv Metals | alyses H-Gx, HVOCs H-Dx, | Perserv. HCI no HNO3 | Filter no no | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur Duplicate Field Blan Rinseate Type/Brand/Seria | Yes Method/Volum mber of Bottle Sample I.D. Sample I.D. | ne Drun | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L mber 5 L poly 5 L Poly 7 Pump | Me 55 Pun 55 Pun 55 Pun 6 No of C | thod Data Ontainers 4 1 | Purgin O . 6 NWTP BTEX/I NWTP PAHs Total Metals Dissolv Metals | alyses H-Gx, HVOCs H-Dx, | Perserv. HCI | Filter no no | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur Duplicate Field Blan Rinseate Type/Brand/Seria Temp/pH/E.C./D.O | Yes Method/Volum mber of Bottle Sample I.D. nk I.D. Sample I.D. | ne Drun | No No No No No No No No No No No No No N |
| Purge Sample 2) Sa ottle Type OA 5 L mber 5 L poly 5 L Poly Fi Pump Baile | Me 55 Pur 55 Pur 56 Pur 66 No of C | thod Data Ontainers 4 1 | Purgin O . 6 NWTP BTEX/I NWTP PAHs Total Metals Dissolv Metals | alyses H-Gx, HVOCs H-Dx, MTCA | Perserv. HCI no HNO3 | Filter no no | ete | Bails dry? At no. of Casing Volum Purge Water Disposal Total Nur Duplicate Field Blan Rinseate Type/Brand/Seria | Yes Method/Volum mber of Bottle Sample I.D. nk I.D. Sample I.D. | ne Drun | No No No No No No No No No No No No No N |

HC Standards/Field Forms/GW-Well ID

| | CLEAR, NO, NS | | | | | | | | | |
|-----|---------------|--------------------------------|---------|--------|------------|-------|---------|------|---------|------|
| | NOTES | | -1702 | 11.01 | 0.13 | 0.623 | 16.1 | 7.70 | 4,0 | 155] |
| | , | | ORP | TUB | PO mg/L | ms/cm | T 'C | ρH | GALLONS | TIME |
| | CLEBR, NO, NS | | -175.4 | 8.82 | 0.09 | 0.619 | 16.1 | 7,69 | 5,0 | 1600 |
| | W (C) | | -177.6 | 7,79 | 0.07 | 0.617 | 16.) | 7.69 | 6.0 | 1605 |
| | 11 11 11 | | -180.9 | 10.38 | 0.05 | 0.615 | 16.0 | 7.69 | 7.0 | 1610 |
| | 11, 11, 11 | | -1833 | 7.82 | 0.03 | 0.611 | 16.0 | 7.68 | 8,0 | 1615 |
| | | LOW RATE IN CREASED IN 175 OWN | -184.5 | 6,60 | 0.02 | 0.609 | 16.0 | 7.68 | 9.0 | 1620 |
| | N W T | | -185.9 | 4.81 | 0.02 | 0,608 | 15.9 | 7.68 | 1010 | 1623 |
| | u u u | | | 4.31 | | 0.607 | | | 11.0 | 1627 |
| | 11 11 31 | | - 187.2 | 4.11 | 0.00 | 0.606 | | | | 1430 |
| MPL | | | -187,3 | 5.76 | -0.00 | | | 7.67 | | 1634 |
| | | | - 187,6 | . 6,08 | 0.00 | 0,604 | 1212 | 4.67 | 14,0 | 1638 |

SM

| | Grou | ındwa | ater S | ampi | ing Da | ita - V | Vell I.L | J. | HMW-8IB | | |
|-------|-------------|-----------|-----------|--------------|-------------------|------------|-----------------------|--------|---------------------------------------|----------------|--------------------------|
| | Project | | 9 | Broad B | Block | | | | Date/Time Sampled M | March | 2020 1642 |
| | Job No. | | | 19409-0 | | | | • | Tidally Influenced | Yes | Nox |
| | | Manager | | M. Dage | | | | • | Well Depth in Feet | 63.15 | |
| | Field Re | _ | | | en B. Lytle | IJ. Higgin | s/A. Naka | ahara | Screened Interval in Feet | 53.1 | 5 to 63.15 |
| | 1) Pur | ging D | ata/Fie | id Mea | sureme | nts: Al | l Me asu | ıreme | nts Relative to Top of | Casing (TOC | |
| | Well De | pth | | 63.15 | | | | _ | Casing Volume in Gallons | ! | 4.16 |
| | Depth o | f Sedime | ent (DTS) | in Feet | 62.50 | 1 | | _ | [2" diameter = $x = 0.163 g$ | | |
| | Depth o | f Water (| (DTW) in | Feet | 36.95 | 51 | | _ | Purge Volume in Gallons | | 12.50 |
| | (DTS - | DTW) | | | 25.55 | | | _ | Actual Purge in Gallons | -5 | 10 60 BD |
| | | No. of | | | | Diss | | | | | |
| | | Gallons | l | Temp | Conduct in #5/cm | Oxygen | Turbidity | | O Olit. D | Color Odor She | on Accumulated Cilt/Cond |
| 1 | Time | Purged | pH | in °C | | in mg/L | | 11 | Comments: Quality, Recover | 11 1 | 1 . 21 |
| 7 | 1513 | 40.1 | 45+ | 6 15.1 | 697 | 2.97 | 160,72 | 1 | 1111119 3119 | | NS. Clear Office |
| | 1533 | 1.50 | 9.51 | 15.4 | 636 | 1.48 | 303.76 | | 3 slight (salty | 3)000x, 1 | 15, turbid (blown |
| | 1543 | 2.0 | 9.29 | 15.4 | 611 | 1,43 | (0)-3 | -361 | 1.9 turo: 71.06 (ma | wed poeram. | turb dropped), sight |
| | 1600 | 3.0 | 9.08 | 15.8 | 593 | 1.36 | 61.15 | -370.9 | · · · · · · · · · · · · · · · · · · · | HT TURBIO | AUT D 2709PEC), Sight E |
| | 1615 | 4.0 | 9,00 | 15.7 | 585 | 1.33 | 39.60 | -3835 | | | |
| SIMPL | 1630 | 5.0 | 8.85 | 15,7 | 578 | 1.32 | 28,02 | - | SLIGHT WITHE SHEEN, SLIGH | | 8 |
| Þ | 1620 | 5.0 | 0.03 | | 2 | , , , , | 20,00 | | SCIENT WITTE SHEET, SETEN | " ODAC, CLENC | 2 |
| | Comm | ents | se | | TON | 18 | e · | 40 | - More & | arache | sters & |
| | | | Ų. | | | | | | <u>'</u> | | |
| | | Me | thod | | ng Rate in GPM | | oth of ent in Feet | | Bails dry? | Yes | No No |
| | Purge | 45 PU | MP | 60 | 7.1 | 56 | .5 | | At no. of Casing Volumes | # | " / § |
| | | , | ٠١ | , | 11 | i | (. | 1 | 2 | | |
| | ample | · | | <u> </u> | | | | | Purge Water Disposal Me | ethod/Volume | Drum left on site |
| | 2) Sa | mpling | Data | | | | | | | | |
| | <u> </u> | T | | Ι. | | | | 1 | Tatal Niverh | or of Dottles | 0 |
| Bo | ttle Type | No of C | ontainers | NWTP | nalyses H-Gx. | Perserv. | Filter | - | i otal Numb | er of Bottles | 8 |
| |)A | | | BTEX/ | HVOCs | HCI | no | | | | |
| | 5 L nber | | 5 | NWTP PAHs | H-Dx, | no | no | | Duplicate S | Sample I.D. | |
| | libei | | | Total N | /ITCA | 1 | | 1 | a apriodice o | , dp.io | |
| 0. | 5 L poly | _ | | Metals | ved MTCA | HNO3_ | no | - | | | |
| 0. | 5 L Poly | | 1 | Metals | | HNO3 | yes_ | | Field Blank | i.D. | |
| | | | | | | - | | - | Rinseate S | ample I D | |
| | | | | | | 1 | | _ | Talliseate O | ampie i.b. | |
| | 3) Fie | eld Equ | ıipmen | t. | | | | | Type/Brand/Serial | No./Material/ | 'Units |
| | Pump | Туре/Т | ubing Ty | уре | SS | / PE | | _ | Temp/pH/E.C./D.O | YSI DSS | u . |
| | Bailer | Туре | | | | | | _ | Water Level Probe | UMER LINE | = |
| | Filter | | | | 0.45 | un | (| _ | Other | | Tab! |
| | 4) W | ell Con | ditions | ; | ОК | X | Not OK | | Explain | | |

NO, NS, CLEM

ORP TURB DO COND T PH VOL TIME SMARL -392,2 28.24 1.31 577 15.8 8.87 6.0 1642

| | Grot | Mawa | ater 5 | amp | ing Da | ata - v | veii i.i | IJ. | HMW-9D |
|-----------|--------------------|-----------------------------|------------------|-------------------|---------------------|---------------------------|---------------------------|--------|--|
| | Project | | | Broad E | Block | | | _ | Date/Time Sampled March 17 2020 1359 |
| | Job No. | | | 19409- | 04-05 | | | | Tidally Influenced Yes No x (1404 MM) |
| | Project | Manager | • | M. Dag | el | | | | Well Depth in Feet 92.63 |
| | Field Re | eps. | | B. Dozi | er/B. Lytle | Higgir | ıs/A. Naka | ahara | Screened Interval in Feet 82.63 to 92.63 |
| | 1) Pur | ging D | ata/Fie | ld Mea | sureme | ents: A | ll Measu | ıreme | nts Relative to Top of Casing (TOC) 0.35+2.82- 0.2 = $\sqrt{2.92}$ |
| | Well De | pth | | 92.63 | | | 8 | | Casing Volume in Gallons |
| | Depth o | of Sedime | ent (DTS) |) in Feet | | | | _ | [2" diameter = x 0.163 gal/ft] |
| | Depth o | of Water (| (DTW) in | Feet | 43. | 401 | | - | Purge Volume in Gallons 25.0 |
| | (DTS - I | DTW) | | | 51.21 | | | - | Actual Purge in Gallons |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in_mS/cm | Diss Oxygen in mg/L | Turbidity in NTU | | Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand |
| WIT. | ## } 52 | 0.2 | 9,00 | 13,9 | 508 | 2.43 | | 27,7 | |
| , | • | | | <u> </u> | | l | | | YEAY TWOD, GRAY, NO, NS |
| | 1129 | 1,0 | 9.00 | 14.9 | 508 | 1.60 | 3 23.14 | -159, | 8 MODERATION GAYTHBID, SLIGHT SALTY LOVE, NS |
| | 1140 | 2.0 | 8.99 | 15.8 | 501 | 1,43 | 100.73 | -520 | 1 NO, NS |
| | 1148 | 3.0 | 8.99 | 15.9 | 501 | 1.37 | 95,62 | -508 | e compatible of the compatible |
| # | 123 3 | 4.0 | 8.97 | 14.8 | 485.7 | 1.65 | 1549.9 | -231.4 | STEANLY GRAY MEBID, NS NO |
| 推動 | 1244 | 5,0 | 9.00 | 14.8 | 484.3 | 1.50 | 376.04 | -5429 | |
| F | Purge ample | Met | thod Measible | Purgir | | Der Equipme | oth of ent in Feet b3 665 | | Bails dry? At no. of Casing Volumes Purge Water Disposal Method/Volume Drum left on site |
| | | mpling | Data | | | • | | - | |
| Bo | ttle Type | No of Co | ontainers | An | alyses | Perserv. | Filter | | Total Number of Bottles 14 |
| | î. | | | NWTP | H-Gx, | | i iitoi | 1 | 17 |
| VC 0.5 | | | 8 | BTEX/I | HVOCs | HCI | no | 24 | |
| | ber | <u> </u> | 2 | NWTP | | no | no | - | Duplicate Sample I.D. HMW-900D |
| 0.5 | L poly | | 2 | Total M Metals | ed MTCA | HNO3 | no | | SAMPLE TIME @ 1404 |
| 0.5 | L Poly | , | 2 | Metals | | HNO3 | yes | | Field Blank I.D. |
| <u> </u> | | | | | | | | 1 | Rinseate Sample I.D. |
| | 3) Fie | ld Equ | ipment | ! | | | ş | , | Type/Brand/Serial No./Material/Units |
| | Pump | Type/Tu | ıbing Tv | ре | 55 5UB | 1 PE | | | Temp/pH/E.C./D.O YSI DSS |
| | Bailer | | 5 . , | • | | | - | - | Water Level Probe WATER LINE |
| | Filter | | | | 0.49 | Sum | | | Other |
| | | ell Cond | ditions | | ОК | V | Not OK | _ | Explain |
| | | | _ | | | 7 \ | | | HI Stondordo / Liold Lormo (1707 1812) III |

COMMENTS: FLOW STILL VALIABLE @ 125 Public Review Draft
@1305 FLOW VARIANCE, KEEP INCLUSION VOLTAGE. @1316 MOVED DSS PROBE & TURBIDITY SHOT UP TO LZSAN.
@1322. 451 055 TIPDED, REPOSTOWED IT & TURBIDITY INCREMISED tO ~ 50 NTU. @1331 TURBIDITY HIGHLY VARIANCE (50-250)
FLOW STILL VARIANCE. @1341 FLOW DECREASING ON 173 OWN. @1350 WANT TO MALLE SURE TURBIDITY STAYS & 25 MW.
SIMIE 173 SPIKED SEVERAL TIMES, 1430 OVERAL DIPPICULT TO KEEP FLOW AT VERY LOW RATES.

| N OTES | ORP | TURB | ng/L | COND MS/cm | pH | T °د | GAL. | TIME |
|--|--------------------|--------|--------|------------------|------|--------------|------|-------------------|
| MODERATELY GRAY TURBO, NS, NO | -524.5 | 376.04 | 1.50 | 484.3 | 9.00 | 14.8 | 5,0 | 1249 |
| II , is , is | -527.6 | 110.31 | 1.42 | 480.3 | 9.01 | 14,9 | 6.0 | 1253 |
| NO, MOD: GRANTANSIO, SLIGHT WHITE BLOCKY | SHEEN - 526.4 | 65.27 | 1.41 | 475.6 | 8.98 | 15.0 | 7.0 | 1302 |
| NO, DEPOSING WHITESHEEN, MUDERATERY TURBIN | | 57.19 | | 473. | 8,98 | 15.1 | 8.0 | 1309 |
| NO, NS, MOD. TURSIO, GRAY | - 558.0 | 57.91 | 1.35 | 477.0 | 8.99 | 15.3 | 9.0 | 1314 |
| CLEAR NO, N 5 | -563.7 | 36.20 | 1.35 | 473.9 | 8.92 | 15.Z | 10.0 | 1319 |
| SLIGHTLY TOR BID, ND, NS | -5 SZ. | 84.81 | 1.35 | 470.1 | 8.87 | 15.2 | 11,0 | 1324 |
| MODERATE GRAY NRBID, NO, NS | - 550.4 | 251.8 | 4 1.34 | 470,9 | 8.86 | 15.1 | 12.0 | 1329 |
| CLEAR, NO, NS | -555,8 | 24.00 | 1.35 | 471.4 | 8.87 | 15.1 | 13,0 | 1335 |
| 11 11 11 | - 551.4 | 30.02 | | 470,4 | 8.86 | 15.1 | 14.0 | 1341 |
| $N \rightarrow N \rightarrow N$ | -555,7 | 22.43 | 1.34 | 471.6 | 8.86 | 15.1 | 15,0 | 1347 |
| 5MP1 11 11 | - 559.4 - 527.6 | 24.40 | | 3 473.0 470.4 | 8.84 | 15.2 15.0 | 17.0 | 1354 1359 SMPL |

| Grou | undwater S | ampling Da | ta - Well I.D. | HMW-9IA | *** | |
|-------------------|--------------------------|-----------------------------|---------------------------------------|--------------------------------------|-----------------------|--------------------------|
| Project Job No | | Broad Block 19409-04-05 | | Date/Time Sampled Tidally Influenced | March Yes | 2020/1651 No X |
| - | Manager | M. Dagel | 7 | Well Depth in Feet | 49.63 | |
| Field R | eps. | B. Dozier/B. Lytle | J. Higgins/A. Nakaha | ara Screened Interval in Fed | et 39.63 | to 49.63 |
| | | | nts: All Measure | ements Relative to Top | 1 | ~ 1=7 Q(1) |
| Well De | | 49.63 | | Casing Volume in Gallo | | 18 [2.79] |
| • | of Sediment (DTS) | | 8 | [2" diameter = x 0.163 | 1 | 1.1 |
| • | of Water (DTW) in | Feet 34.17 | | Purge Volume in Gallon | | 27 |
| (DTS - | DIW) | 1,70 | | Actual Purge in Gallons | | |
| Time | No. of Gallons Purged pH | Temp Conduct in °C in mS/cm | | RP mV Comments: Quality, Recov | ery Color, Odor, Shee | n, Accumulated Silt/Sand |
| 1630 | 1 19.78 | 16.1 584 | 2.15 68.25 2 | 15.0 NO, NS, C | localy | |
| 1636 | 2 7.41 | 16,0582 | 0.65 17.4 1 | 39 NO, NS, CLE | Eur U | |
| 1641 | 3 7.23 | 6.0 882 | | A DIA BIC C. | ear | |
| 1040 | 4 7.16 | | | 19:9 NO,NS, CLEA | V | |
| | 1 | 1002 | 0.12 | 11 14 - 10 3 / 0 1 (5) | | |
| 150 SMP | 5 7.12 | 15,9581 | 0,17 4,01- | 216 NO,NS,C | lear | |
| Comm | nents | L' | | | | |
| | | | | | | |
| | | | · · · · · · · · · · · · · · · · · · · | | | |
| | Method monsoon 55 | Purging Rate in GPM | Depth of Equipment in Feet | Bails dry? | Yes | NoX |
| Purge | SUDPUMP | 0.6 | 710 | At no. of Casing Volume | es | |
| Sample | | | V | Purge Water Disposal I | Method/Volume | Drum left on site |
| 2) Sa | mpling Data | | 3 1 | | | |
| Bottle Type | No of Containers | Analyses NWTPH-Gx, | Perserv. Filter | Total Nun | nber of Bottles | 7 |
| VOA | 4 | BTEX/HVOCs | HCI no | | | DEC. |
| 0.5 L Amber | 1 | NWTPH-Dx | no no | Duplicate | Sample I.D. | |
| | | Total MTCA | | , | | |
| 0.5 L poly | 1 | Metals Dissolved MTCA | HNO3 no | | 7 | |
| 0.5 L Poly | 1 | Metals | HNO3 yes | Field Blar | ık I.D. | |
| | | | | Rinseate | Sample I.D. | |
| 3) Fie | eld Equipment | f | | Type/Brand/Seria | l No./Material/U | nits |
| Dumn | Type/Tubing Ty | (C) C | Uhian al PS | Temp/pH/E.C./D.O | 729 12Y | |
| | | he <u>212</u> | np bomb 165 | | MANIN |) |
| | Type | 7.11 | A | Water Level Probe | WATT INT | - |
| Filter | ı уре | 0.4) | <u>om</u> | Other | | |
| 4) 147 | all Conditions | OK | Not OV F | - Evaloia | | |

HC Standards/Field Forms/GW-Well ID

| Grou | ındwater S | ampling Da | ita - Well I.D. | HMW-9IB | |
|---------------|--------------------------------|-----------------------------|--|---|-----------|
| Project | | Broad Block | c | Date/Time Sampled March 17 2020 1322 | |
| Job No. | | 19409-04-05 | | Tidally Influenced Yes No x | |
| Project | Manager | M. Dagel | | Well Depth in Feet 69.45 | _ |
| Field Re | eps. | B. Dozier/B. Lyţle/ | J. Higgins/A. Nakahar | | _ |
| 1) Pur | ging Data/Fie | ld Measureme | nts: All Measurer | ments Relative to Top of Casing (TOC) +2.45-80 | |
| Well De | pth | 69.45 | | Casing Volume in Gallons 5.60 | |
| Depth o | f Sediment (DTS) | in Feet 70.5 | 57 | [2" diameter = x 0.163 gal/ft] Purge Volume in Gallons | |
| Depth o | f Water (DTW) in | Feet 36.54 | | | |
| (DTS - [| OTW) | 34.35 | | Actual Purge in Gallons + 5 | _ |
| Time | No. of Gallons Purged pH | Temp Conduct in °C in mS/cm | Diss Oxygen Turbidity OR in mg/L in NTU in n | pmV Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand | |
| 1934 | 1.5 7.99 | 15.0 (012 | 767 1565-4 | 2.2 Clear, NO.NS | ٦ |
| AUI | 2.5 8.15 | 15.3 619 | 047 4243-16 | OB CIPACINONS | ٦ |
| 17 410 | 3.5 271 | 15.3 642 | 0.26 265 16 | 3.0 clear, NO, NS | 7 |
| 1257 | 45 811 | 153 648 | - 10 - 15 10 | 730 Clear NO.WS | ┪ |
| 1202 | 5.5 8.19 | 5.4 669 | 0.13 9.57-14 | 79.6 clear, NO, NS | |
| 12 17 | | 15.2 691 | 00 0 | | \exists |
| 1327 | | 15.5 700 | (a) | 8/7 clear, NOINS 13/2 clear, NOINS | |
| mpi Comm | ents Ong | 13.7 | | TOPE - TOPE TOPE | _ |
| | <u> </u> | | | | |
| | | Purging Rate in | Depth of | | |
| | Method | GPM GPM | Equipment in Feet | Bails dry? Yes No X | |
| Purge | Monsoon 65 | 0.1 | 66.54 | At no. of Casing Volumes | |
| , uige | | .1 | 1 | | |
| Sample | | V | V | Purge Water Disposal Method/Volume Drum left on site | |
| 2) Sai | mpling Data | i d | | East 1 | |
| Bottle Type | No of Containers | Analyses | Perserv. Filter | Total Number of Bottles 7 | |
| | | NWTPH-Gx, | | | |
| VOA 0.5 L | | BTEX/HVOCs | HCI no | | |
| Amber | 1 | NWTPH-Dx Total MTCA | no no | Duplicate Sample I.D. | |
| 0.5 L poly | 1 | Metals | HNO3 no | | |
| 0.5 L Poly | 1 | Dissolved MTCA Metals | HNO3 yes | Field Blank I.D. | _ |
| | | | | Rinseate Sample I.D. | |
| 2) <i>Eio</i> | ld Equipment | · | | Type/Brand/Serial No./Material/Units | |
| 3) 116 | ла Ечигритені | • | 1 | Type/Diana/Genal No./Material/Offits | |
| Pump | Type/Tubing Ty | pe <u>6560k</u> | pump/PE | Temp/pH/E.C./D.O VST DSS | |
| Bailer | Туре | | 8 | Water Level Probe weter line | _ |
| Filter | Гуре | 0.4 | Sum | Other | |
| ∆) Wa | ell Conditions | ОК | Not OK | Explain | |
| 7/ 176 | | OR | | HC Standards/Field Forms/GW-Well ID | |

| Gro | arra vr c | | - | | | | | | | | | | |
|--|------------------------------|---------------------------------------|--|---|---|---|--|--|--|-------------|-------------|--------------|-----------|
| Project | | | Broad 8 | Block | | | | Date/Time Sampled | March (| 7 | 2020 | 0 | 159 |
| Job No | | | 19409- | 04-05 | | | - | Tidally Influenced | Ye | s | | No x | |
| Project | Manager | • | M. Dag | el | · · · · · · · · · · · · · · · · · · · | | - | Well Depth in Feet | 38.12 | | _ | | |
| Field R | eps. | | B. Dozi | er/B. Lytle |)J. Higgin | ıs/A. Naka | ahara | Screened Interval in F | | | 2 to 38.1 | 2 | |
| 1) Pu | rging D | ata/Fie | ld Mea | asureme | ents: Al | ll Measu | ıreme | ents Relative to Top | of Casing | g (TO | C)3,07+0 | 9,35 | -0.28 |
| Well D | epth | | 38.12 | | | | | Casing Volume in Gall | ons | 0. | 86 | | |
| Depth | of Sedime | ent (DTS) |) in Feet | | | | _ | [2" diameter = x 0.16 | 3 gal/ft] | | | | |
| Depth | of Water (| DTW) in | Feet | 33. | 15' | | _ | Purge Volume in Gallo | ons | 2. | 58 | | |
| (DTS - | DTW) | | | 5.271 | | | - | Actual Purge in Gallon | s | _2 | .5 | | |
| Time | No. of Gallons Purged | pН | Temp in °C | MS/cM Conduct in-mS/cm | Diss Oxygen in mg/L | Turbidity in NTU | | Comments: Quality, Reco | overv Color C | Odor Sh | een Acci | ımulate | d Silt/Sa |
| 7 0931 | 0.1 | 7.12 | 14,9 | 477.8 | 3,35 | | <u> </u> | | - | 2001, 011 | 0011, 71000 | annanato | 4 011000 |
| | | | - | 525 | 2.57 | _ | 17.7.1 | INITIANY CLEAR NO, A | 13 | | | | |
| 0940 | | 7.27 | 15.2 | <u> </u> | <u> </u> | 37.41 | | 111 / 10-13/10 1 | Ly NO'N? | - | | _ | |
| 0945 | | 7,25 | 15.3 | 548 | 2.35 | 11.96 | 160.7 | ' / | | | | | |
| 0951 | 2.0 | 7.26 | 15.0 | 549 | 2.35 | 9.10 | 160.8 | CLEAR, NS, SLIGHT | SWEET/SOL | -VENT - | LIVE 00 | امر | |
| 1 | ĺ | | | | | | | , NO, NS | 31 | | | | |
| 」 └── | 1 | | | | | | | | | | | | |
| 0959 Comm | 2.5 nents P | 7.24 UMP SET | | | | | 1 | CLEAR, NO, NS | .B.@0154 | Flow | RATE DE | zaens | wp en |
| Comm | nents f | UMP SET | 2 Belo | L w ৸৸ৗ৽ ng Rate in GPM | © 0941 Depth of I | | sed fi | Bails dry? | Ye | | RATE DE | Zaens | < |
| Comm | nents f | ump set | 1 bero | my Marial. | Depth of I in F | OELACAS Equipment | 12 (18) | Bails dry? At no. of Casing Volun | Ye | s |] | No | <u> </u> |
| Comm Purge Sample | Met SS SUBM | hod | 1 bero | L w ৸৸ৗ৽ ng Rate in GPM | Depth of I in F | DELACAS Equipment Feet 645 34. | 12 (18) | Bails dry? | Ye | s | Drum I | No | <u> </u> |
| Purge Sample | Met 55 508M | hod besser | Purgir | my Marial. Ing Rate in GPM O7- | Depth of I in F | DELACAS Equipment Feet 645 34. | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal | Ye: nes Method/Vol | s |] | No | <u> </u> |
| Purge Sample 2) Sa | Met 55 508M | hod bush us Data Intainers | Purgir | ng Rate in GPM 07 07 alyses H-Gx, | Depth of in F 34.15' 34.3 | DELACAS Equipment Feet B+5 34. B+04 81- 34.15 | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal | Ye | s |] | No Seft on s | <u> </u> |
| Purge Sample 2) Sa | Met 55 508M | hod Data Intainers | Purgir O An NWTPI BTEX/I | ing Rate in GPM O7 alyses H-Gx, HVOCs | Depth of I in F 34.3 | PEQUIPMENT Filter | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur | Ye: nes Method/Vol | sume |] | No Seft on s | <u> </u> |
| Purge Sample 2) Sa Bottle Type OA 5 L | Met 55 508M | hod Data Intainers 4 | Purgir O An NWTPI BTEX/I Total M | ing Rate in GPM O7 alyses H-Gx, HVOCs | Depth of I in F 34.15' 34.3 Perserv. HCI | Filter | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur | Yes Method/Vol | sume |] | No Seft on s | <u> </u> |
| Purge Sample 2) Sa Sottle Type OA .5 L mber | Met 55 508M | hod Data Intainers 4 | Purgir O An NWTPI BTEX/I NWTPI Total M Metals Dissolv | ing Rate in GPM O7 alyses H-Gx, HVOCs | Depth of I in F 34.15' 34.3 BLU Perserv. HCI no HNO3 | Filter no no | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur | Yes Method/Vol nber of Bot Sample I.I | sume |] | No Seft on s | <u> </u> |
| Purge Sample 2) Sa Bottle Type OA 5 L | Met 55 508M | hod Data Intainers 4 | Purgir O An NWTPI BTEX/I NWTPI Total M Metals | alyses H-Gx, H-Dx | Depth of I in F 34.15' 34.3 Perserv. HCI | Filter | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur Duplicate Field Blar | Yes Method/Vol nber of Bot Sample I.E | s ume |] | No Seft on s | <u> </u> |
| Purge Sample 2) Sa Bottle Type (OA .5 L mber .5 L poly | Met SS SUBM | hod Lessour Data Intainers 4 1 1 | Purgin (O) O. An NWTPI BTEX/I NWTPI Total M Metals Dissolv Metals | alyses H-Gx, H-Dx | Depth of I in F 34.15' 34.3 BLU Perserv. HCI no HNO3 | Filter no no | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur Duplicate Field Blar Rinseate | Yes Method/Vol nber of Bot Sample I.I. Sample I.D. | s ume | Drum I | No Seft on s | <u> </u> |
| Purge Sample 2) Sa Sottle Type OA .5 L mber .5 L poly .5 L Poly | Met SS SUBM | hod Data Intainers 4 1 1 1 | Purgin (O . O . An NWTPI BTEX/I NWTPI Total M Metals Dissolv Metals | alyses H-Gx, H-Dx ITCA | Depth of I in F 34.15 ' 34.2 B Perserv. HCI no HNO3 | Filter no no yes | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur Duplicate Field Blar Rinseate Type/Brand/Seria | Yes Method/Vol nber of Bot Sample I.D Sample I.D | s ume ttles | Drum I | No Seft on s | <u> </u> |
| Purge Sample 2) Sample 2) Sample 30ttle Type COA 5 L mber 5 L poly 5 L Poly 7 Pump | Met S5 508M No of Co | hod Data Intainers 4 1 1 1 | Purgin (O . O . An NWTPI BTEX/I NWTPI Total M Metals Dissolv Metals | alyses H-Gx, H-Dx | Depth of I in F 34.15 ' 34.2 B Perserv. HCI no HNO3 | Filter no no yes | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur Duplicate Field Blar Rinseate Type/Brand/Seria Temp/pH/E.C./D.O | Yes Method/Vol nber of Bot Sample I.D Sample I.D | s ume ttles | Drum I | No Seft on s | <u> </u> |
| Purge Sample 2) Sa Sottle Type OA .5 L mber .5 L poly .5 L Poly | Ments & Met S5 SUBM No of Co | hod Data Intainers 4 1 1 1 | Purgin (O . O . An NWTPI BTEX/I NWTPI Total M Metals Dissolv Metals | alyses H-Gx, HVOCs H-Dx TCA SS SUMM | Depth of I in F 34.15 ' 34.2 B Perserv. HCI no HNO3 | Filter no no yes | 12 (18) | Bails dry? At no. of Casing Volun Purge Water Disposal Total Nur Duplicate Field Blar Rinseate Type/Brand/Seria | Yes Method/Vol nber of Bot Sample I.D Sample I.D | s ume ttles | Drum I | No Seft on s | <u> </u> |

| | Grou | ındwa | ter S | ampl | ling Da | ita - V | Vell I.L |) . | HMW-10E |) | |
|------|---------------------|-----------------------------|-----------|------------------|---------------------|---------------------------|---------------------|------------|----------------------------|--------------------|----------------------------|
| | Project | | | Broad E | Block | | | | Date/Time Sampled | March 6 | 2020 1627 |
| | Job No. | | | 19409-0 | | | | | Tidally Influenced | Yes | No x |
| | Project I | Ma nage r | | M. Dag | el | | | | Well Depth in Feet | 91.95 | |
| | Field Re | eps. | | B. Dozi | er/B. Lytie/ | J. Higgin | s/A. Naka | hara | Screened Interval in Fed | et 81.9 | 95 to 91.95 |
| | 1) Pur | ging Da | ata/Fie | ld Mea | sureme | nts: Al | l Measu | reme | nts Relative to Top | of Casing (TO | C) 10'-0.14' = (2.91') |
| | Well De | pth | , | 91.95 | | | | | Casing Volume in Gallo | | 7.74 |
| | | f S edim e | ` , | | | | | , | [2" diameter = $x = 0.163$ | | a. a |
| | • | f Water (| DTW) in | Feet | 39.87 | | | • | Purge Volume in Gallon | | 26.2 |
| | (DTS - Î | OTW) | | | 53.62' | | | • | Actual Purge in Gallons | | 8.0 |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in mS/cm | Diss Oxygen in mg/L | Turbidity in NTU | | Comments: Quality Reco | very Color Odor Sh | een, Accumulated Silt/Sand |
| LT . | 1518 | 0. (| 7.70 | 14,4 | 400.1 | 2.73 | | | | | |
| , | 101 | | | | | | | | IN ITIALLY USEN GRAY | | |
| | 1526 | 0.1 | 7.92 | 14.4 | 396.8 | 1.61 | | | - MODULATE GRAY - BRO | WN PURSIOITY | |
| | 1532 | 2.0 | 7.94 | 14.5 | 393,8 | 1,49 | 88.71 | - | | , | , , , , |
| | 1538 | 3.0 | 7.96 | 14.5 | 397.3 | 1.46 | 100.70 | -503.8 | SHEHT TURBID, NO, | NS | 1 |
| L | 1543 | 4.0 | 7.95 | 14.5 | 400.9 | 1.45 | 121.50 | - 497, | N (1) | и | |
| SMPE | 1548 | 5,0 | 7.94 | 14.4 | 400.5 | 1.45 | 277.63 | -493.0 | MODERATE LAM MRB | 10, NO, NS. | |
| 1 | Comm | ر ents | ust Enou | GH TOBIN | VS 10 WOR | ×. @ | | | PUMP 1'. @ 1550 DE | • | RATTE |
| | • | 00 | | | | | | | 1 2 . 0 . 0 . 0 | | 10 |
| | | | | | | | | 19 | | | |
| | | Met | hod | | ng Rate in SPM | Equipme | th of nt in Feet | | Bails dry? | Yes | No X |
| F | Purge | SS SUBM | ensible | 0.0 | 08 | 86,95 (89.% | (865 (Broc) | | At no. of Casing Volume | es | |
| S | ample | ,,, | | 0,6 | 8 | ١ | 1 | | Purge Water Disposal I | Wethod/Volume | Drum left on site |
| | 2) Saı | npling | Data | | | | | | | | |
| Bo | ttle Type | No of Co | ontainers | | alyses | Perserv. | Filter | | Total Nun | nber of Bottles | 7 |
| VC | Α | | 4 | NWTPI BTEX/I | | HCI | no . | | | | |
| 0.5 | | | * | | | | | 1 | Dunlicata | Sample I.D. | |
| An | ber | | | NWTPI Total M | | no | no | 1 | Duplicate | Sample I.D. | |
| 0.5 | L poly | | 1 | Metals | ed MTCA | HNO3 | no | | | | |
| 0.5 | L Poly | | 1 | Metals | | HNO3 | yes | | Field Blan | ık I.D. | |
| | | | | | | | | | Rinseate | Sample I.D. | |
| , | 3) Fie | ld Equ | ipment | ţ. | | | | | Type/Brand/Seria | l No./Material/ | /Units |
| | Pump | Type/Tu | ıbing Ty | ре | 55 SVB | /PE | | | Temp/pH/E.C./D.O | 451 055 | |
| | Bailer | • • | | | | | | - | Water Level Probe | WATERLIN | V |
| | Filter ⁻ | • • | | | 0.45 | pm | | - | Other | | |
| | A) We | ell Cond | ditions | | OK | X | Not OK | | Explain | | |

| NOTES | of P | TURB | DO Mg/L | COND | T °C | рΗ | 6AL | Time |
|--|--------|--------|--|-------|---------------------------------|------|-----|------|
| MED. GEAT TO RESID, NO, NS | | | ATT TO COMPANY OF TAXABLE PARTY OF THE PARTY | 400.5 | Philipping and the first of the | | 5.0 | 1548 |
| SUBFUTLY TURBIO, NO, NS | -468.3 | 156,04 | 1.46 | 402.8 | 14.3 | 7.93 | 6.0 | 1602 |
| CLOTAL, NO, NS. HAD + ASK BEZLA RE: CASING VOLVAGE & | -477.1 | 13.32 | 1.43 | 407.9 | 14,4 | 7,92 | 7,0 | 1616 |
| 11 11 11 SAMPLING | - 480. | 418,50 | 1.42 | 409.1 | 14,5 | 7.93 | 8.0 | 1627 |

| | Grou | ındwa | iter S | ampl | ing Da | ita - V | Vell I.L |). | HMW-10S | | |
|-----------|-----------|-----------------------------|-------------|-------------------|------------------------------|---------------------------|-----------------------|--------------|---|-----------------------|--|
| | Project | | | Broad E | Block | | | | Date/Time Sampled | March 16 | 2020 1420 |
| | Job No. | | • | 19409-0 | | | | - | Tidally Influenced | Yes | No x |
| | Project ! | Manager | | M. Dage | el | | | • | Well Depth in Feet | 37.56 | |
| | Field Re | eps. | | B. Dozie | er/B. Lytle/ | J. Higgin | s/A. Naka | hara | Screened Interval in Fed | et 27.56 | 6 to 37.56 |
| | 1) Pur | ging D | ata/Fie | ld Mea | sureme | nts: Al | l Measu | ıreme | nts Relative to Top | of Casing (TOC | 2) 2 9' A65 |
| | Well De | pth | | 37.56 | | | | | Casing Volume in Gallo | | 2.0 |
| | Depth o | f Sedime | ent (DTS) | in Feet | 38.67 | \ | | | [2" diameter = $x = 0.163$ | | |
| | Depth o | f Water (| DTW) in | Feet | 26.31 | | . 1 | | Purge Volume in Gallon | | 6.0 |
| | (DTS - I | OTW) | | | 38.62 | 12. | 31, | - | Actual Purge in Gallons | | 3.5 |
| | Time | No. of Gallons Purged | pН | Temp in °C | MS/CM Conduct in mS/cm | Diss Oxygen in mg/L | | ORP in mV | Comments: Quality, Recov | very Color, Odor, She | een, Accumulated Silt/Sand |
| H | 1349 | 0.1 | 7.58 | 14.8 | 507 | 2.29 | 88.41 | 49,0 | | | |
| | 1355 | 1.0 | 7.54 | 14.5 | 508 | 1.65 | 62,13 | -1424 | , | | ED FLOW RATE DOWN. |
| | 1412 | 2.0 | 7,40 | 14.8 | 513 | 1.62 | 10.07 | -317 | | 743,100 ; set-11 | A LEGAL LANG BOTH ! |
| | 1415 | 2.5 | 7.36 | 14.7 | 510 | 1.59 | 5.77 | -324, | | REMSED PLON 5 LIE | a firm M |
| | 1417 | | | | 509 | | 5.33 | -319,0 | / / | COMBON PLOW 3 C 16 | PER COL |
| SMPL | 1417 | 3.0 | 7.36 | | | 1.62 | 4,21 | -312,3 | | | |
| S | 17120 | 3.5 | 7.33 | 14.6 | 508 | 1.62 | 7,41 | - 3(2) |) // | | |
| | Comm | ents | TOL | 15 ~2 | .9' ABOUR | GOVAD | SURFACE | . @ | 412 HADP INCREASE PUR | OPRATE TO KEEP F | eow. |
| | | | | | | | | _ | 0 | | |
| | ļ | Me | thod | | ig Rate in SPM | | oth of ent in Feet | | Bails dry? | Yes | No X |
| ı | ⊃urge | 55 50B | MBASIBLE | 0. | 1 | 32.56° | 865, BTOL) | | At no. of Casing Volum | es | |
| s | ample | 55 5031 | n evisioné | ~0. | . (| , | <u> </u> | | Purge Water Disposal I | Method/Volume | Drum left on site |
| | 2) Sai | mpling | Data | | | | | | | | |
| E, | ttle Type | No of C | ontainers | Δn | alyses | Perserv. | Filter |] | Total Nun | nber of Bottles | 7 |
| | | 100 01 0 | ontainers . | NWTP | H-Gx, | | | 1 | Total Itali | | |
| VC 0.5 | | <u>.</u> | 4 | BTEX/I | HVOCs | HCI | no | - | | | |
| | nber | 1 | 1 | NWTP | | no | no | 1 | Duplicate | Sample I.D. | |
| 0.5 | L poly | | 1 | Total M Metals | | НИОЗ | no | | | | |
| 0.5 | L Poly | | 1 | Metals | | HNO3 | yes | s | Field Blar | nk I.D. | |
| L | | | | | | | | | Rinseate | Sample i.D. | - |
| | 3) Fie | eld Equ | ipment | t | | | | | Type/Brand/Seria | l No./Material/ | Units |
| | Pump | Type/Tu | ubing Ty | ре | 55 546 | MBASIBLI | E /PE | | Temp/pH/E.C./D.O | 45I 055 | |
| | Bailer | • • | - • | 1 | | | | _ | Water Level Probe | WATERLIN | E . |
| | Filter | | | | 0.45 | nn | | _ | Other | * | en magazar garen dar francisco de la companya de la companya de la companya de la companya de la companya de l |
| | | ell Con | ditions | | OK | X | Not OK | | Explain | | uold Formal NEI Mail |
| | 4) 100 | en Con | uilions | | OK | | TIMO! OK | | | HC Standards/F | ield Forms/GW-Well ID |

| | Grou | ınawa | ater S | amp | iing Da | ata - V | veii i.L | J. | HMW-11IE | 3 | | | |
|------|--|-------------------|-----------|-------------------|--------------------|--|-----------------------|-------|-------------------------------|------------------|----------------|--------------------|-------------|
| | Project | | <u>_</u> | Broad E | Block | | | | Date/Time Sampled | March 16 | 202 | 20 / 111 | 2 |
| | Job No. | | _ | 19409- | 04-05 | | | | Tidally Influenced | Yes | | No x | Ĭ |
| | Project | Manager | | M. Dag | el | | | | Well Depth in Feet | 57.47 | | | |
| | Field Re | eps. | | B. Dozi | er)B. Lytle | /J. Higgin | s/A. Naka | hara | Screened Interval in Fee | et . | 47.47 to 5 | 7.47 | |
| | 1) Pur | ging D | ata/Fiel | d Mea | asureme | ents: Al | l Measu | reme | ents Relative to Top | of Casing (| TOC) | 3.00'ceb | sur |
| | Well De | • | - | 57.47 | - | | | | Casing Volume in Gallor | ns _ | 4.21 | 4 | _ |
| | | | | | 59.3 | 56, | | | [2" diameter = \times 0.163 | gal/ft] | , | | |
| OC | Depth o | f Water (| DTW) in | Feet | <u> 33.3</u> | 37' | | ı | Purge Volume in Gallon | s _ | 1207 | 9- | |
| | (DTS - I | OTW) | | al C | 101, | | | | Actual Purge in Gallons | - | | | |
| | | No. of | . | Te: | <u> </u> | Diss | | | | | | | |
| | Time | Gallons Purged | pH | Temp in °C | Conduct in 6/cm | Oxygen in mg/L | Turbidity in NTU | | Comments: Quality, Recov | rery Color, Odor | : Sheen A | ccumulated Sil | t/Sand |
| | 1040 | (,0 | | 14.6 | | 3 . 1 | | 149.2 | 176 17 | | , oneen, A | Journalated Oll | Journa |
| | | | 6.70 | | | | 20,20 | | 100,100,00 | ret | | | |
| | 1046 | 4- | 6.60 | 14.5 | 46.7 | - | 10,56 | | 170 | vecut | | | |
| 1 | 1054 | 3.0 | 6.56 | 14.3 | 465.3 | 0.569 | | 111.3 | 1 1 1 10 | reat | | | |
| ′ | 1103 | 4.0 | 6.54 | 14,5 | 463.6 | 0.90 | 3.70 | 96.1 | NO, NS, cle | cet- | | | |
| | | | | 14/ | | | | | | | | | |
| SMPL | 1112 | 5.0 | 6.53 | 147 | 463.7 | 0.89 | 3,85 | 822 | NO, NS, Clea | 201 | | P | |
| (in | | | 10000 | 1000 | | | | | | ine 1 | - 11 | | ļ |
| | Comm | ents 2 | Slaut | S 60 | dun. | rate | - a lit | the | DIT, | · · · | | | |
| | | | | | | , | | | | | | | 11 |
| | ı | | | | | | | 1 | | | | <u> </u> | ٦ |
| | | Met | thod | | ng Rate in GPM | | oth of ent in Feet | | Bails dry? | Yes | | \mathcal{N}_{oN} | 1 |
| Г | | Marka | M4 | | | | 1 bela | MIL | | 100[| | 1101Z | J |
| | Purge | sub p | mp | 0. | ι | 711.0 | | " | At no. of Casing Volume | es | _ | | |
| | | 1 | (. | 6 | -1 | (| (| | = | | | | |
| L | Sample | <u></u> | | | . • | <u> </u> | |] | Purge Water Disposal N | Method/Volum | ie <u>Dr</u> u | um left on site | 9 |
| | 2) Saı | npling | Data | • | | | | | | | | | |
| | , | | | | | | | 1 | | | | | |
| В | ottle Type | No of Co | ontainers | | alyses | Perserv. | Filter | | Total Num | ber of Bottle | es | 14 | |
| V | OA | | | NWTP BTEX/I | H-Gx, HVOCs | HCI | no . | | | | | | |
| 0. | 5 L | | | | | | | 1 | Dombart | Completo | 1 14 | ANA/ 4400ID | |
| Ar | mber | | 2 | NWTP Total M | | no | no | 1 | Duplicate | Sample I.D. | | MW-1100IB | |
| 0. | 5 L poly | | 2 | Metals | | ниоз | no | | | | االص | 13 | |
| 0. | 5 L Poly | | 2 | Dissolv Metals | ed MTCA | HNO3 | yes | | Field Blan | ık I.D. | | | |
| Ĕ | , | | | | | | , | 1 | | | | | |
| L | | | | | | | | } | Rinseate | Sample I.D. | _ | | |
| | 3) Fie | ld Equ | ipment | | | | | | Type/Brand/Serial | l No./Mater | ial/Units | 5 | |
| | Dumn | Tuna/Ti | ihina Tra | 20 | 64 Or 14 | mn/ F | ¥ | | Temp/pH/E.C./D.O | YET I | 155 | 1 | |
| | , | | ıbing Typ | J U | who | . M. 1 | 1 | - | | 1.22 | SON 100 | | |
| | Bailer | | | | D 11 A | - , ,,- | | - | Water Level Probe | _ wel | -111 | <u>K</u> | |
| | Filter | ype | | | 0.45 | um | Ļ | - | Other | | - | | |
| | 4) We | ell Con | ditions | | ОК | X | Not OK | | Explain | | | , | |
| | | | | | | <i>a</i> - | | | | HC Standar | ras/Field Fo | rms/GW-Well | יוו עו |

| Gro | anavv | | | | | | | | | 111100 | | | |
|--|---|--|---|--|---|--------------------------------|--------------|--|---|------------------------------|--|--|--|
| Projec | t | | Broad B | Block | | | ** | Date/Time Sampled | March \ | 2020 / 1970 | | | |
| Job No | o. | | 19409- | 04-05 | | | | Tidally Influenced | Yes | No X | | | |
| Projec | t Managei | | M. Dag | el | | | | Well Depth in Feet | 38.2 | | | | |
| Field F | Reps. | | B. Dozi | er/B. Lytle | /J. Higgir | ns/A. Naka | ahara | Screened Interval in Fe | et 28 | .2 to 38.2 | | | |
| 1) Pu | urging D | ata/Fie | eld Mea | asureme | ents: A | ll Measu | ıreme | ents Relative to Top | of Casing (TC | OC) | | | |
| Well D | | A take | 38.2 | | | | | Casing Volume in Gallo | | 1.52980.530 | | | |
| | of Sedime | | | | 6 | + | | [2" diameter = x 0.163 gal/ft] Purge Volume in Gallons | | | | | |
| | of Water (- DTW) | חו (איוט) | reet | 35.15 | , | | - | Purge Volume in Gallons Actual Purge in Gallons | | | | | |
| (013- | | | | 0.03 | | | | Actual Purge in Gallons | | | | | |
| Time | No. of Gallons Purged | рН | Temp in °C | Conduct in mS/cm | Diss Oxygen in mg/L | Turbidity in NTU | ORP in mV | Comments: Quality, Recov | very Color, Odor, S | theen, Accumulated Silt/Sand | | | |
| 1140 | 0.5 | 7.49 | 14.1 | 1494 | 2.43 | 304.8 | 13 | initially turbid, a | ren sit | | | | |
| 1100 | | 7 5 | 17.5 | 1.278 | 2.09 | 90.5 | 974 | | 0 | | | | |
| 1213 | 1.5 | 7.05 | 15.1 | 1194 | 199 | 2601 | 103 | > Stopped Flow. TO | near The hear | In declaration of | | | |
| W | | | | | | | | 2 staffert trage : 12 | The state of the state of | | | | |
| pri | | | | * | | | | | ar . | | | | |
| 1420 | 1.6 | 7.03 | 13,9 | 1217 | 2.64 | 29.5 | 233 | > couldn't act from | Charles Cres | 4. Submit unfilteral poly | | | |
| Comn | 4 | | | | | 1.30 | 1 | 1.0001 1.000 | 1 | 1 3 | | | |
| | | Mell | contin | rued to | either. | run day | | ove pump convoction | 1 | bred poly looked Ville | | | |
| | | thod | Purgin | ng Rate in | Dep Equipme | | | | 1 | 10, | | | |
| ⊃urge | Met | thod | Purgin | ng Rate in GPM | either Dep | oth of | | are pump connection | yes > | I en il samplin (| | | |
| Purge | Met | LURII thod | Purgin | nyed to | Dep Equipme | oth of ent in Feet | | Bails dry? | Yes Yes | is on it sampling (| | | |
| ample | Mei SS pun | thod | Purgin G | nyed to | Der Equipme | oth of ent in Feet | | Bails dry? At no. of Casing Volume | Yes Yes | No No | | | |
| ample | Met SS pun | thod | Purgin G '14" o o.5/10m | nyed to | Der Equipme | oth of ent in Feet | | Bails dry? At no. of Casing Volume Purge Water Disposal M | Yes Yes | No No | | | |
| ample 2) Sa tle Type | Met SS pun | thod wp Data | Purgin G '14" o o.5/10m | g Rate in SPM A flow allyses H-Gx, | Der Equipme 36° 36° 36° 36° 36° 36° 36° 36° 36° 36° | oth of ent in Feet | | Bails dry? At no. of Casing Volume Purge Water Disposal M | Yes Yes | No No Drum left on site | | | |
| ample 2) Sa ttle Type | Met SS pun | thod wp Data | Purgin G '14" o o.5/10m V An: NWTPI BTEX/I | g Rate in GPM Alow alyses H-Gx, H-Dx | Der Equipme 36 ' 36 - 3' | oth of ent in Feet | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num | Yes Yes | No Drum left on site | | | |
| cample 2) Sa ttle Type 0A 5 L bber | Met SS pun SS pun SS pun No of Co | thod wp Data | Purgin G '14" o o.5/10m 120 An: NWTPI BTEX/I | g Rate in GPM Alow alyses H-Gx, H-Dx | Der Equipme 36 ' 36 ' 36 - 3' Perserv. | oth of ent in Feet Filter | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num | Yes Yes Alethod/Volume | No No Drum left on site | | | |
| ample 2) Sa ttle Type A L aber | Met SS pun SS pun SS pun No of Co | thod wp Data | Purgin G '14" o o.5/10m V Ana NWTPH BTEX/H NWTPH Total M Metals | g Rate in GPM Alow alyses H-Gx, H-Dx | Der Equipme 36 ' 36 ' Perserv. HCI | oth of ent in Feet Filter no | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num | Yes Yes Nethod/Volume | No No Drum left on site | | | |
| ample 2) Sa ttle Type A L aber L poly | Met SS pun SS pun SS pun No of Co | thod wp Data | Purgin G | g Rate in GPM Alow Alo | Der Equipme 36 ' 36 ' Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num Duplicate Field Blan | Yes Yes Nethod/Volume | No No Drum left on site | | | |
| ttle Type OA L bber L DO L DOI V DOI | Met SS pun SS pun SS pun No of Co | thod Top The second of the s | An: NWTPH Total M Metals Dissolv Metals | g Rate in GPM Alow Alo | Der Equipme 36 ' 36 ' Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num Duplicate Field Blan | Yes Wethod/Volume The property of Bottles Sample I.D. k I.D. Sample I.D. | No No Drum left on site | | | |
| ample 2) Sa ttle Type A L aber L poly L Poly | Met SS pun SC pun mmpling No of Co | thod Data Intainers 4 1 1 | An: NWTPH Total M Metals Dissolv Metals | g Rate in GPM Alow Alo | Der Equipme 36 ' 36 ' Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num Duplicate Field Blan Rinseate S Type/Brand/Serial | Yes Wethod/Volume The property of Bottles Sample I.D. k I.D. Sample I.D. | No No Drum left on site | | | |
| ample 2) Sa ttle Type A L uber L poly L Poly Pump | Med SS PMM SS PMM SS PMM Ampling No of Co | thod Data Intainers 4 1 1 | An: NWTPH Total M Metals Dissolv Metals | g Rate in GPM Alow Alo | Der Equipme 36 ' 36 ' Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num Duplicate Field Blan Rinseate S Type/Brand/Serial Temp/pH/E.C./D.O | Yes Wethod/Volume The property of Bottles Sample I.D. k I.D. Sample I.D. | No No Drum left on site | | | |
| ttle Type OA OL Doly OL Poly OL Poly Pump | Mel SS pun SS pun Ampling No of Co | thod Data Intainers 4 1 1 | An: NWTPH Total M Metals Dissolv Metals | g Rate in GPM Alow Alo | Der Equipme 36 ' 36 ' Perserv. HCI no HNO3 | Filter no no | | Bails dry? At no. of Casing Volume Purge Water Disposal M Total Num Duplicate Field Blan Rinseate S Type/Brand/Serial | Yes Wethod/Volume The property of Bottles Sample I.D. k I.D. Sample I.D. | No No Drum left on site | | | |

| F | PROJECT | M | MB | | | DATE | E/TIME SAM | IPLED (| 9/1020 | 1123 | · |
|-------------------|--|--|---|--|--|---|-----------------------------------|--|------------------|--|---|
| | JOB NO. | | 40904 | | | TIDA | LLY INFLUE | NCED | YES | NO | X |
| ŗ | PROJECT N | MANAGER | MO | 4 66 L | | WEL | L DEPTH IN | FEET | 92 | | |
| J | FIELD REP | s | B Lyne | | | SCR | EENED INT | ERVAL IN F | EET _ \$2 - | 92 | |
| 1 | Purging l | Data/Field | d Measure | ements: . | All Meas urer | ments Relati | ve to Top of | Casing (TO | C) | | |
| 1 | WELL DEP | тн | 921 | | | CAS | ING VOLUM | E IN GALLO | ons 10.8 | 3 | |
| ı | DEPTH TO | SEDIMENT | (DTS) IN FE | ET 9 | 7.70 | [2 | " diam = x .1 | 63 gal/ft | 4" diam = x .653 | 3 gal/ft] | |
| | DEPTH TO | WATER (DT | W) IN FEET | 27 | ٠.5५ | PUR | GE VOLUM | E IN GALLO | NS 32 | .4 | |
| | (DTS – DTV | V) | 66. | lo | | ACT | UAL PURGE | in Galloi | vs 5.0 | | |
| | | No. of Gallons | | Toma | Conditat | Diss. | | OPP | | | |
| | Time | Purged | pН | Temp in °C | in MS/c | | Turbidity | in w | | | very, color, odor, mulated silt/sand |
| _ | 1014 | 0.1 | 8.15 | 15.9 | 0.674 | 1.97 | 60.89 | 170.2 | INITIONLY CICAL | L, NO, N -S | |
| | 102 1 | 0.5 | 6.71 | 1b. O | 0-821 | 0.58 | 6.17 | 25.9 | SUGHT GRAY TVI | (3101F4, | NO, N5 |
| | 1028 | 1.0 | 4.51 | 16.0 | 0.828 | 0.57 | 34.70 | 76.6 | | | • |
| - 1 | | | 1 1/2 | 100 | 0.020 | 0.25 | 5.55 | -59.4 | 11, 11, 1 | <u>, , </u> | |
| | 1094 | 2.0 | 6.43 | 15.8 | 0.830 | 0.35 | | 1 ' | | | |
| nple: | 1107 | 4.0 | 4.50 | 16-1 | 0.843 | 0.31 | 3.78 | -73.4 1 m/sse0 | | | AO BANKIL |
| nple: | 1107 | 4.0 | 4.50 | 16.1 PUT NEW | 0.843 LOCK ON | 0.31 | 3.78 *N 3 50 | i m/s<60 | READINGS, | Cer | NO K |
| nple: | 1107 | H.O s: CITY Qe | 6.50 p came to | Pumpir | O.843 LOCK ON | O.3 AT GALL Depth of Equip. in Feet | 3.78 PN 3 50 | oils dry? | Yes | Cer | |
| np le: | Comments Purge | H.O s: CITY CE Method SS 5000 | 4.50 | Pumpir in GPN | O.843 LOCK ON TORRATE D | O.3 AT GALL Depth of | 3.78 PN 3 50 BC | pils dry? At no. of | Yes | Volume | |
| nple: | Comments | H.O s: CITY CE Method SS 5000 | 6.50 p come to | Pumpir in GPM | O .843 LOCK ON INGRATE D | O.3 AT GALL Depth of Equip. in Feet 87+1-8° | 3.78 PN 3 50 BC | pils dry? At no. of | Yes | Volume | |
| | Comments Purge | Method SS 5000 | 6.50 p come to | Pumpir in GPN | O .843 LOCK ON INGRATE D | O.3 AT GALL Depth of Equip. in Feet 87+1-8° | 3.78 PN 3 50 BC | pils dry? At no. of | Yes | Volume | |
| | Purge Sample Sampling | Method SS SLAG | 6.50 p came to | Pumpir in GPN O.C O.E Snck vP | O .843 LOCK ON INGRATE D | O.3 AT GALL Depth of Equip. in Feet 87+1-8° | 3.78 PN 3 50 BC 88.8' PL | oils dry? At no. of urge Water [| Yes | Volume 3 6AL | |
| | Purge Sample Sampling | Method SS SAM g Data # of Contact | CAME to | Pumpir in GPM O.C O.E Snck vP | O.843 LOCK ON THE POP STATE OF STATE | O-3 AT GALL Depth of Equip. in Feet 87+1.8° | 3.78 PN 3 50 BC | oils dry? At no. of urge Water [| Yes | Volume 3 6AL | |
| | Purge Sampling Bottle Typ | Method SS SUM g Data # of Contains The Contains g The Con | iners Ana | Pumpir in GPN O.6 O.8 Snck vP | O.843 LOCK ON TORRATE D OR OR OR OR OR OR OR OR OR O | O.3 AT GALL Depth of Equip. in Feet 87+1.8° | 3.78 PN 3 50 BC 88.8' PL | pils dry? At no. of urge Water [| Yes | Volume 3 6AL | |
| | Purge Sampling Bottle Typ 40 AL VOA | Method SS SUM g Data # of Contain 3 3 3 3 3 3 3 3 3 3 | LIDO P CAME to PORTSIBLE Ana B GIV | Pumpir in GPN O.E Snck vf | 0.843 LOCK ON 100 Rate D 100 S 100 | O.3 AT GALL Depth of Equip. in Feet 87 + 1.82 | 3.78 PN 3 50 BC 88.8' PL | oils dry? At no. of arge Water E | Yes | Volume 3 6AL | |
| | Purge Sampling Bottle Typ 40 nL Vo A 500 nL A 250 nL A | Method SS SCAN g Data g Data g Contain g S S S S S S S S S S S S S S S S S S | iners Ana | Pumpir in GPN O.E SINCK UP Vyses CO/VOC DO / C P A | O.843 LOCK ON TORRATE D TORRATE TOR | O.3 AT GALL Depth of Equip. in Feet 87+1.8° II Preserv. HCI KNO3 | 3.78 PN 3 500 BC 88.8 PL | Dils dry? At no. of urge Water [Dizum and Duplica | Yes | Volume 3 6AL | |
| 2 | Purge Sampling Bottle Typ 40 nr Vo A 500 nr A 250 nr 1 | Method SS SCAN g Data g Data g Contain g S S S S S S S S S S S S S S S S S S | iners Ana | Pumpir in GPN O.E Snck vf | O.843 LOCK ON TORRATE D TORRATE TOR | Preserv. HCI HNO3 HNO3 | 3.78 PN 3 50 Bo 88.8 PL | oils dry? At no. of urge Water [Dをレハヘ の Total n Duplica Field B | Yes | Volume of GAL | |
| 2 | Purge Sampling Bottle Typ 40~L VoA 500~L A 250~L P | Method SS SJAN g Data g Data g Contains g Contain | LINES Ana LINES Ana LINES Ana LINES Ana LINES Ana | Pumpir in GPN O.E SACK UP Vyses CO/VOC 20/c PA SSOLVED | DO .843 LOCK ON TO Rate DO TO S | Preserv. HCI HNO3 | 3.78 88.8 PL Filter Q45,000 | Dils dry? At no. of surge Water I Dilum and Total n Duplica Field B Rinsea | Yes | Volume 3 6AL | No |
| 2 | Purge Sampling Bottle Typ 40~L VoA 500~L A 250~L P | Method SS Som g Data g Data g Data g Conta | LINES Ana LINES Ana LINES Ana LINES Ana LINES Ana | Pumpir in GPN O.E SACK UP Vyses CO/VOC 20/c PA SSOLVED | DO .843 LOCK ON TO Rate DO TO S | Preserv. HCI HND3 IHWO3 | 3.78 PN 3 50 Bo 88.8 PL | Total n Duplica Field B Rinsea | Yes | Volume of GAL | NoK |

| TIME | GALLONS | , H | T°G_ | COND | 00 | TULB | ORP | Comments |
|-------------|---------|------|------|-------|------|------|-------|---------------|
| 1107 | 4.0 | 6.50 | 16.1 | 0.843 | 0-31 | 3.78 | ~73.4 | CIEAR, NO, NS |
| SAMPLE 1123 | 5.0 | 6.62 | 16.0 | 0.846 | 0.29 | 3.18 | -82.0 | 14 , 11, 11 |



| PROJECT | | IMB | | | DATE | E/TIME SAM | PLED | 9/10/2020 | 1545 | |
|--|---|-----------------------------|---|---------------------|-------------------------------------|------------|--|-----------------------------|--------------|--------------|
| JOB NO. | 1 | 740904 | | | TIDA | LLY INFLUE | NCED | | > <u>*</u> | |
| PROJECT | MANAGER | MC | AGEL | | WEL | L DEPTH IN | FEET | 99 | | |
| FIELD RE | PS B | Lyrre | <u>.</u> | | SCRI | EENED INTE | RVAL IN F | EET <u>89-99</u> | | |
| WELL DE | | | | | | | | ons10.0 | | |
| | SEDIM ENT | | | | | | _ | 4" diam = x .653 gal/ | | |
| | O WATER (D' | | | 7.12 | PUR | GE VOLUME | IN GALLO | | 0 | |
| (DTS – DT | W) | 61.+1 | | | ACT | JAL PURGE | IN GALLO | vs <u>7.0</u> | | |
| Time | No. of Gallons Purged | рH | Temp in °C | Conduct in S lon | Diss. Oxygen | Turbidity | ORP | Comments: quality | y, recovery | |
| 1335 | 0.1 | 8-11 | 15.6 | 0.328 | 0.88 | 2300 | 211.1 | INITIALLY BROWG 6 | PAY- BRO- | an wet |
| 1358 | 1.0 | 7.97 | 16.1 | 0.339 | 1.29 | 384.21 | 208.6 | MODERATE GRAY - B | NN TUR | B10 174 |
| 1410 | 2.0 | 7.34 | 16.5 | 0.355 | 0.42 | 162.91 | 190.4 | MODELATE GRAM - B | Brown 7 | NABIDI |
| | | | | | | | | 1 | | |
| 1424 | 3.0 | 元16 | 16.0 | 0.379 | 0.32 | 107.09 | 124.0 | CONTINUE | D ON BA | tel_ |
| Commer | | ere agost Hib | | | | | | | o on BA | tell 1600 |
| Commer | nts: courp Ge | ere agost Hib | TVAGIO IT | ng Rate [| A SHUT OF | EPUMP AT | 1342 . Res | CONTINUE 1357 RR. BEL Yes | CA. PAIS | 160 |
| Commer Pump | nts: Causo Ge | ere agost Hib | Pumpir in GPN | ng Rate I | " 4 SHUT OF | EPUMP AT | 1342 . aes. | Yes | No | 1600 |
| Commer | Method | 931) | Pumpii in GPN | ng Rate I | © a SHUT of Depth of Equip. in Feet | Bo | 1342 . aes. | Yes | No | K |
| Purge Sample Bottle T 40 L V 500 AL 250 AL | Method SS SV Method H of Control AMBER 1/1 | emasi Bla ainers Ana G T | Pumpir in GPN 0.05 0.05 VO LO / C PA | ng Rate I | Preserv. HC1 HN03 HN03 | Filter | ils dry? At no. of trge Water [Total n Duplica Field B Rinsea | Yes | No Me 8.0 6A | K |
| Purge Sample Sampli Bottle Ty Joal Vo 500 at 250 at 250 at 50 | Method SS SV Method Method SS SV Method Method SS SV Method Method SS SV Method Method SS SV Method Method SS SV Method Method SS SV Method Method Method SS SV Method Method Method SS SV Method | ainers Ana 3 G | Pumpir in GPN 0.05 0.0 NO VO LO C PA STAPL M 0.559LVEV. | ng Rate II | Preserv. HIC1 HIV63 | Filter | ills dry? At no. of tree Water I Total n Duplica Field B Rinsea | Yes | No Me 8.06A | K |

| TIME | 6AL | OH | TEMP | COND | 00 | TURB | orp | Comonts |
|------|-----|------|------|--------|------|--------|-------|---|
| 1424 | 3.0 | 7.16 | 16,0 | 0.379 | 0.32 | 107,09 | 124.0 | MODERATE LANG-BROWN MASIOITY, NO, NS |
| 1434 | 4.0 | 7.14 | 16.2 | 0.374 | 0.31 | E8.80 | 86.4 | " , ", P. PROUCED FLEW RATES. |
| 1450 | 5.0 | 7.19 | 16.8 | 0.358 | 0.34 | 180-51 | 38.8 | 1,", 11. TURBIDITY SPIKED UP TO 250 NTU JUST BEFOLE THEM READINGS. |
| 1520 | 6.0 | 7.21 | 1972 | 0.376 | 0.33 | 58.92 | | CHAL, NO, MS. DECLEASED FLOW AMB. |
| 1545 | 7.0 | 7,20 | 17.4 | 0, 382 | 0.31 | 24.15 | -27,5 | CLEAR, NO, NS |



| | (e.g., <i>20' N</i> PROJECT | MM | | - , | | DA ⁻ | TE/TIME SAM | MPLED | 9/16/2020 | 090 | 06 |
|-----|--------------------------------|-------------------|------------|---------------|--------------|-----------------|----------------|--------------|------------------|---------|---------------------------|
| J | JOB NO. | 194 | 10904 | | | TID | ALLY INFLU | ENCED | YES | NO | × |
| F | PROJECT M | IANAGER | MO | AGEL | | WE | LL DEPTH IN | N FEET | 80 | • | |
| F | FIELD REPS | 6 | BLY | | | SCI | REENED INT | ERVAL IN F | EET 70- | 80 | |
|)1 | Purging I | Data/Field | | • | : All Measur | rements Rela | tive to Top of | f Casina (TO | C) | | 10 |
| | | | | | | 125 | | | | .7 | |
| | WELL DEPT | | 80' | | 70.7- | | | ME IN GALLO | | | |
| | DEPTH TO | | | | | | | _ | 4" diam = x .653 | | |
| | DEPTH TO | | (W) IN FEE | | 38.40 | | | IE IN GALLO | - | 10:2 | |
| (| DTS – DTV | /) | | 41 | .30 | AC | TUAL PURG | E IN GALLON | NS | 1.0 | |
| | | No. of | | | | Diss. | | | | | |
| | Time | Gallons Purged | pH | Temp in °C | -/ | | | in MV | Comments: q | | overy, colo umulated s |
| | 0817 | 0.1 | 7.87 | 15.1 | | | 54.91 | 278.2 | SLIGHTLY GAR | | |
| | 0833 | 1.0 | 6.95 | 15.0 | 0.38 | | 31.32 | 248.5 | CLEAR, NO | NS | |
| ľ | 0844 | 2.0 | 6.84 | 15.7 | · · | | 10.02 | 187.8 | 16 45 | (1 | · |
| | 0856 | 3.0 | 6.88 | 15.7 | 0.42 | 2 0.35 | 6.02 | 134.8 | u, u | ч | |
| lé: | 0906 | 4.0 | 6.89 | 15. 3 | | | 4.96 | 98.2 | (1), (1) | | |
| | | Method | | Pun in G | nping Rate | Depth of | | oils dry? | Yes | | Nob |
| | Purge | | UBMERS B | | .0g | Equip. in Fe | et | At no. of | casing volumes | | |
| | | | 4 | | 11 | 11 | P | • | Disposal Method/ | | |
| į | Sample | <u></u> | • | | | | | 20 GKE | ON SITE | DILUX-1 | |
| 2) | Sampling | g Data # of | | | | | _ | l Total a | umber of Bottles | 10 | |
| | Bottle Typ | | ainers An | alyses | | Preserv. | Filter | Total II | umber of bottles | | |
| | 40 pel VOA | | 3 (| | OC.S | HCI | | Duplica | ate Sample I.D. | | |
| ž. | 500 ml | | // | | c PAH | | - | | lank I.D. | | |
| | 250 ML F | | | | MANUS | HN03 | 0.45 | 1 | ite Sample I.D. | | |
| | 250mL | ray | | jissav | 160 Meral | s Hvo3 | 2.45 p | 1 | no campio no. | | |
| 3) | Field Equ | uipment | | | | | Type/Bra | nd/Serial | No./Material(| Units | |
| | Pump Typ | e/Tubina T | vne s | is sub | /pc | | Temp/pH/E | C motor | YSI | 055 ¥ | OKO |
| | Bailer Typ | = | ype | | | | | | | ER LIN | |
| | Danier Typ | | 0.45 | | | | Water Leve | ei Piobe | | LI | - 6 |
| | Filter Type | | 0.45 | 4 1.44 | | | Other | | | | |



| | e.g., 20' N | | er of building | (A) | | | | | BL |
|------------|--|--|----------------------------|---|----------------|---|---------------------------|---|--|
| PR | ROJECT | | nb | | | DATE | TIME SAM | IPLED _ | 9/16/2020 1101 1155 |
| JO | OB NO. | 1940 | 0904 | | | TIDAL | LY INFLUE | ENCED | YES NO K |
| PR | R OJE CT M | IANAGER | M.C | AGEL | | WELL | . DEPTH IN | FEET | 73 |
| FIE | ELD REPS | · | B LYT | ι€ | | SCRE | ENED INT | ERVAL IN FI | EET <u>63-73</u> |
|) Pi | urging [| Data/Field | l Measure | ements: / | All Measure | ements Relativ | e to Top of | Casing (TO | c) |
| W | ELL DEPT | т | 73 | | | CASI | NG VOL UM | E IN GALLO | ONS 5.0 |
| DE | EPTH TO S | SEDIMENT | (DTS) IN FE | ET | 72.05 | [2" | ' diam = x .1 | 163 gal/ft | 4" diam = x .653 gal/ft] |
| DE | EPTH TO \ | WATER (DT | W) IN FEET | · <u> </u> | 1.04 | PURC | SE VOLUM | E IN GALLO | NS 15.0 |
| (D | OTS – DTW | v) | 31. | ,01 | | ACTU | JAL PURGE | E IN GALLON | NS 3.00 7.0 RL |
| , | Time | No. of Gallons Purged | рН | Temp in °C | Conductin m5/C | | Turbidity | ORP | Comments: quality, recovery, color, odor sheen, accumulated slit/san |
| l | 025 | 0.1 | 7.96 | 16.8 | 0.597 | | 122.18 | -96.3 | SLIGHTLY SALTY DOM, SLIBELTLY |
| Ī | 1040 | 1.0 | 7.73 | 16.7 | 0.602 | | 76.31 | -28.2 | 11, 11, 11 |
| | 1052 | 2.0 | 7.77 | 17.1 | 0.595 | | 18.47 | -119.7 | SULLITY SALTY OPON, NO CLEAR, |
| - | 1101 | 3.0 | 7.79 | 17.2 | 0.596 | | 17.85 | -134.4 | SLIGHTLY STOTY ODOR, CLEAR, NS |
| 5 | 1118 | 4,0 | 7.91 | 17.2 | 0.598 | 0.42 | 136,73 | -71,9 | 11, SCHOTT GRAY WAGIONY, N. |
| _ | | ** | | | · | | | 1 1111 | continued on BACK. |
| | | | | | | | | | 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 19 | 68°, aesi | Method | WERL LEAD IT | Pumpir | ng Rate | Depth of |), DISCALO BO | oils dry? | Yes NO K |
| 10 | | Method | WERL NEADII | Pumpir in GPM | ng Rate | Depth of Equip. in Feet |), DISCARDO | oils dry? | Yes No K |
| 10 | Purge | Method | were now ii | Pumpir | ng Rate | Depth of |), DISCALLO BO | oils dry? At no. of ourge Water D | Yes No K Casing volumes Pisposal Method/Volume |
| 19 | | Method SS SUBJ | WERL NEADII | Pumpir in GPM | ng Rate | Depth of Equip. in Feet |), DISCALLO BO | oils dry? | Yes No K |
|) s | Purge Sample Sampling | Method SS SUGA | WERL NEADII | Pumpir in GPM | ng Rate | Depth of Equip. in Feet |), DISCALLO BO | oils dry? At no. of a | Yes No K Casing volumes Pisposal Method/Volume |
|) \$ | Purge Sample Sampling Bottle Type | Method SS SVav | mensible | Pumpir in GPM | ng Rate | Depth of Equip. in Feet |), DISCALLO BO | oils dry? At no. of a | Yes No K casing volumes Disposal Method/Volume Ou S! TE PRUM |
| s S | Purge Sampling Bottle Type | Method SS SUBJECT Particular of Contage By 3/ | mirs Anai 3 GR | Pumpir in GPM 0.0 | ng Rate | Depth of Equip. in Feet | Bo | oils dry? At no. of a urge Water Day | Yes No K casing volumes Disposal Method/Volume Ou S! TE PRUM |
| s s | Purge Sampling Bottle Type On L NOF | Method \$5 5000 1 g Data # of Conta | mirs Anai 3 GR | Pumpir in GPM O.C Uses Voca Lo / CDA | ng Rate 1 | Depth of Equip. in Feet | Bo | oils dry? At no. of ourge Water E | Yes No |
|) s | Purge Sampling Bottle Type Jone Von 500 m/ A 250 m/ | Method SS SUBJ JI G Data # of Conta | mensible miners Ana 3 GR | Pumpir in GPM O.C Uses Voca Lo / CPA | PHS | Depth of Equip. in Feet (8 11 Preserv. HC1 HN03 | Bo Britter | oils dry? At no. of a urge Water Day | Yes No _K |
| s s | Purge Sampling Bottle Type Jone Von 500 m/ A 250 m/ (| Method SS SUBJ JI G Data # of Conta | mensible miners Ana 3 GR | Pumpir in GPM O.C Uses Voca Lo / CDA | PHS | Preserv. HCI HN03 | Filter 0.45 A | oils dry? At no. of durge Water E | Yes No |
|) S | Purge Sampling Bottle Type Jone Not 500 m/ A 250 m/ (| Method SS SUBJ P T T T T T T T T T T T T | mensible miners Ana 3 GR | Pumpir in GPM O.C Uses P/OCS LO/CPA TOTAL PISSOLUM | ITS METHES | Preserv. HCI HN03 | Filter 0.45 A | Total no. Duplica | Yes No |
|) S P | Purge Sampling Bottle Type Jone Not 500 m/ A 250 m/ (| Method SS SUBJ P T T T T T T T T T T T T | tiners Anal | Pumpir in GPM O.C Uses P/OCS LO/CPA TOTAL PISSOLUM | ITS METHES | Preserv. HCI HN03 TOPE T | Filter O.45 M | Total n Duplica Field B Rinsea md/Serial | Yes No _K |
|) S P P B | Purge Sampling Bottle Type Jone Not 500 M A 250 M (25 | Method SS SUBJ PORTA # of Conta A 3 / PORTA P | tiners Anal | Pumpir in GPM O.C USes VOCS LO / CDA TOTAL O'SOLUM S SUBME | ITS METHES | Preserv. HCI HN03 HN03 | Filter o.45 M ppe/Brail | Total n Duplica Field B Rinsea md/Serial | Yes No K casing volumes Disposal Method/Volume ON SITE PRVM ate Sample I.D. Ite Sample I.D. No./Material Units YSI OSS PRO |

RESTARTED PARAMETERS:

| TIME | - 6A | pH | TEMP | COND | 00 | TYRB | 020 | CAMMENTS |
|------|------|------|------|-------|--------|--------|--------|---|
| 1118 | 4.0 | 7.91 | 17.7 | 0.598 | 0. 4.2 | 136.73 | -71.9 | SCIENTLY SALTY OBJE, SLIGHT GRAY TIRBIDITY NS |
| 1132 | 5,0 | 7.88 | 17.8 | 0.601 | 0.35 | 39.53 | ~135.4 | , clear, NS |
| | | 7.88 | | | | | | |
| 1155 | 7.0 | 7.88 | 17,9 | 0.603 | 0.33 | 16,71 | -158.4 | u , u |

| | | | C. (for new we | | 1) | | | | | | |
|------|--------------------------------|-----------------------------|------------------------|---------------|------------------|-----------------------------------|------------|--------------|--------------------|-----------|--|
| | (e.g., <i>20' N</i> PROJECT | W of E corn /^ | er of building ங.டு | A) | | האדב | TIME SAM | DI ED | 9/18/2020 | 08 | 50 |
| | JOB NO. | | 140904 | | | | LLY INFLUE | | YES | | K |
| | | | M. (| AGE | | - | DEPTH IN | | 65 | | |
| | FIELD REP | | B. Ly7 | | | | | - | EET <u>55-6</u> | | |
| 1) | Purging I | | d Measure | | All Measuren | | | | | | |
| | WELL DEP | ГН | 65 | | | CASI | NG VOLUM | E IN GALLO | ons 4 | .0 | |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET (| 103.92 | | | | 4" diam = x .65 | 3 gal/ft] | |
| | | | TW) IN FEET | | 39.18 | | GE VOLUME | - | | | |
| | | , | 24 | | 3.010 | | JAL PURGE | | | | |
| | | | <u>'</u> | | | | | | | | |
| | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in ws/cm | Diss. Oxygen in <u>~</u> /L | Turbidity | ORP in w | Comments: c | | overy, color, umulated sil |
| , L | 0827 | 0.1 | 6.98 | 18.1 | 1.173 | 1.39 | 40.50 | 93.0 | CLEMA, SULLE | | |
| | 0838 | 0.5 | 694 | 17,9 | 1.177 | 0.52 | 55,30 | -92.3 | CIEM, SMOTH | sultan. | LIKE SPER |
| e | 0850 | 1.0 | 7.18 | 18.0 | 1.178 | 0.45 | 28.47 | -141.5 | 11 0 | , | 14 |
| | | | | | | | | <u> </u> | | | |
| ple: | | | | | | | | | | | |
| [4 | Comment | <u></u> | | | - 1 | epth of | | ils dry? | Yes | | No X |
| | | Method | | in GPN | | quip. in Feet 60 | | At no. of | casing volumes | | |
| | Purge | | exsible | | | | Pu | ırge Water [| Disposal Method | /Volume | |
| | Sample | <u> </u> | и | 1.1 | | | | ON SITE 1 | DRUM / 1.5 | 6AL | |
| 2 | Sampling | g Data | | | | 1 | | Total n | umber of Bottles | C | 1 |
| | Bottle Typ | 1 | ainers Anal | yses | | Preserv. | Filter | 70.6.11 | dinibor of bottloo | | |
| | 40 al VOA | 3/: | | |) C 5 | HCI | | Dunlic: | ate Sample I.D. | - | |
| | 500 AL A | | | PAHS | | | | | Blank I.D. | | Sciencelisticação : |
| 85 | 250 ml Pe | | | HER META | | +1N03 | 0.16 | D: | ate Sample I.D. | - | |
| 55 | | n) l | 10.5 | SOLVED 1 | METMS | 1 HW63 | 10.45 pm | 1 Millocc | ate Gample 1.D. | | Control of the Contro |
| .a. | 250 ml /2 | | | | | 7 | Type/Bran | nd/Serial | No./Material | Units | |
| 3 | Field Eq | uipment | | | | • | | | | | |
| 3 | Field Eq | uipment be/Tubing 1 | Гуре <u></u> | SUB/P | € | | femp/pH/E. | .C. meter | · | 055 F | |

& PER CONVOLSATION W/ ON. DAGEL: PURGE CREDIT REVIEW Draft REDUCE INITIALLY HIGHER MASICITY.

THEN, SAMPLE WITHOUT WATERS FOR PARAMETERS TO STABILIZE TO ENSURE ENOUGH



| F | PROJECT | м | MB | | | DATE | TIME SAMI | PLED | 9/16/2020 |
|-----------------|---|--|---|--|-----------------------------------|------------------------------|---------------------------|--|---|
| | JOB NO. | | 0904 | | | TIDAI | LY INFLUE | _ | YES NO K |
| F | PROJECT M | IANAGER | M DA | 66L | | WELL | DEPTH IN | FEET | 65 |
| | FIELD REPS | | B 141 | | | SCRE | ENED INTE | - RVAL IN FI | EET 55 - 65 |
| 1) | Purging [| Data/Field | Measure | ments: / | All Measurer | ments Relativ | re to Top of C | Casing (TOC | |
| , | WELL DEPT | тн | 65 | t | | CASI | NG VOLU M I | E IN GALLO | ons 4.0 |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET 6 | 3.95 | [2' | diam = x .10 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| | DEPTH TO V | WATER (DT | W) IN FEET | 39 | .18 | PUR | SE VOLUME | IN GALLO | NS 12.0 |
| | (DTS – DTW | v) | 24.77 | | | ACTU | JAL PURGE | IN GALLON | vs <u>4.0</u> |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in w.S.lc^ | Diss. Oxygen in _ma/L | Turbidity | ORP in_mV | Comments: quality, recovery, color, odo sheen, accumulated silt/san |
| L | 1320 | 0.1 | 7.92 | 18.0 | 1,2.10 | 0.61 | 520.76 | 74.6 | DALK GRAY THEODOX, STEAMED BY NS |
| | 1339 | 1.0 | 7,39 | 18.1 | 1188 | 0.38 | 7491 | -194.3 | STEAMS SULFUR- WIKE BOOK, SCHOOLT BRAY WAS 101TH, NS |
| , | 1350 | 2.0 | 7.37 | 18.4 | 1489 | 0.27 | 36.86 | -215.4 | CLGAN, SMOND 5 ULFUR-LILLET |
| | | | | | 190 60 1 | | | | 4444 4444 4444 |
| | 13.57 | 3.6 | 7.36 | 18.6 | 1191 | 0.27 | 3 3,50 | -220.2 | CLEAR, MODERATE SUFUR-LINE OF |
| ple: | 1414 | 3,0 4.0 s: Unitial | | • | 1191 1188 | 0.27 0.25 | 33,50 36,51 AFTER ^ | -224.60 | TONTINUES ON BACK GAL. TURBIOLTY SPIKES TO 70 |
| | Comments | 4.0 s: 1417181 | 7.44 | 20.2 Nasip, Cl ow Rose. | LISS EARED CO. | 0.25 | 35.51 | -224.69 0.25 - 0.5 | Yes X No |
| | Comments | 4.0 s: 1/17(4) a (Or) S. 0e | 7.44 CHY VERY CREASED FI | 20.7 nuasio, cu ow anse, Pumpir in GPM | ng Rate | O.25 | 35.51 | -224.6 0.25 - 0.5 ills dry? At no. of | Yes X No casing volumes |
| | Comments | 4.0 s: 1/17(4) a (Or) S. 0e | 7.44 ICY VERY CREMSON FI | 20.2 Nasip, Cl ow Rose. | ng Rate | 0.25 | 35.51 | -224.6 0.25 - 0.5 ills dry? At no. of orge Water [| Yes X No |
| | Purge Sample Bottle Typ | Method G 5 5 July g Data # of Contains A Makes 1 | T. 44 CREMSED FL MER SIBLE MINISTER ANA 3 GY | 20.2 10.610, CO 20.2 Pumpir in GPN 0.0 In | IN 88 REALED CO. TO BE S THIS | Depth of Equip. in Feet D. D | 35.51 | o.zs - 0.5 ills dry? At no. of orge Water I | Yes No |
| | Purge Sampling Bottle Typ 40mL VO 500mL A 250mL | Method 35 Sug Method 40 Conta For Conta Method 10 Conta Morror Co | T. 14 CHENSED FL MEN SIBLE MEN SIBLE TO TO | 20.2 10.610, CO 20.2 Pumpir in GPN 0.0 In | IN 88 REMED CO. THE BE | Preserv. HCI HW0 3 HNP 3 | Bo Pu | o.zs - 0.5 ills dry? At no. of orge Water I ON SITE Total in Duplica Field E Rinsea | Yes X No casing volumes 1 5.0 GKL |
| 2 2 | Purge Sampling Bottle Typ 40mL Vol 500mL A 250mL | Method 35 Sug Method 40 Conta For Conta Monthson M | T. 14 CY VELY CREASED FO IMER SIBLE IMER SIBLE TO OI | 20.2 Pumpir in GPN 0.0 In In In In In In In In In I | THIS METERS | Preserv. HCI FW0 3 HNP 3 | Bo Pu | ills dry? At no. of arge Water I ON SITE Total n Duplica Field E Rinsea | Yes X No casing volumes I Disposal Method/Volume on S.O GAL ste Sample I.D. Stank I.D. ate Sample I.D. Stank I.D. Stank I.D. Stank I.D. Stank I.D. |
| 2 2 | Purge Sampling Bottle Typ 40mL Vol 500mL A 250mL | Method G 5 5 5 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | T. NY CREASED FO | Pumpir in GPN O.O Is Vyses Lo / VOC Deo / CPI STAT Me 550 Lue D | THIS METERS | Preserv. HCI HND 3 HND 3 | Bo Pu Filter O.45 pm | o.zs - 0.5 ills dry? At no. of orge Water I ON SITE Total n Duplica Field E Rinsea | Yes X No casing volumes No. No. Material Units |

Comm GNTS

- 1420 FLOW STOPPED. WATER LEVEL IS ~ IFT ABOVE PUMP. LOWERENT TO 61 PT, STATING DUMP AGAIN.
 TURGIDITY SPIKED TO EVER 900 NTW.
- 1435 TURBIDITY KEPT INCREMSING EVEN WIM VERT LOW FLOW PLATE. CALLED MILISM, SHE SULGESTS WATERNOOTH WITH POMULADOW. STOPPING FLOW, WATERNO FOR RETOVERY, BUT LIKERY SPOPINGUATIC POMULADOW.
- 1525 RESTARD PUMP. WATER COME DUT AT 1500 + NOW & LEVEL DROPPOD QUICKLY. MARISSA RECEDENCENOS
 WATERNO 24 FRS, THYING ADATM, BUT STAMPLING RIGHT AROUND 4 GATLENS EVEN IF TURBIDITY >30NTO
 AS BEST CASE SCENARIO IF TURBIDITY SPILETS SO MUCH AFTER PURGING WELL VOLUME.

| TIME | GAL | рН | Temp | COND | Do | TURB | orp | comments |
|------|-----|------|------|------|------|-------|--------|--------------------------------------|
| 1414 | 4.0 | 7.44 | 20.2 | 1188 | 0.25 | 35.51 | -224.6 | CLEAR, MODERATE SULFUR-LINE GOOD, NS |



> 48 1031 49 1034 50

| | PROJECT | NM | B | | | DATE | TIME SAM | IPLED _ | 9/17/2020 | 1040 | |
|----------|--|--|--|--|-----------------------|------------------------|---------------------------------------|--|--|--------------------|----------|
| | JOB NO. | 194 | 09 04 | | | TIDAI | LLY INFLUE | NCED Y | /ES | _ NOX | _ |
| | PROJECT N | IANAGER | MD | +6EL | | WELL | DEPTH IN | FEET | 65 | | _ |
| | FIELD REPS | s | BLU | ITLE | | SCRE | EENED INTE | ERVAL IN FE | ET 55-6 | - 5 | |
| 1 | Purging L | Data/Field | d Measure | ements: A | All Measureme | nts Relativ | e to Top of | Casing (TOC | r) | | |
| | WELL DEPT | гн | 6 | 5 | | CASI | NG VOLUM | E IN GALLO | NS 4.0 |) | |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET 6 | 3,95 | [2' | ' diam = x .1 | 63 gai/ft | 4" diam = x .65 | 53 gal/ft] | |
| | DEPTH TO | WATER (DT | W) IN FEET | 39 | -21 | PUR | GE VOLUME | E IN GALLON | ns ta | 2. 0 | |
| | (DTS - DTV | v) | 24 | .74 | | ACTU | JAL PURGE | IN GALLON | s 2,5 | 7 | |
| e\ | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in MS/CM | Diss. Oxygen in rall | Turbidity | ORP | | quality, recovery, | |
| MITIML - | 0430 | 0.1 | 7.61 | 17.7 | 1.184 | 0.84 | 95.49 | 94.6 | | MT T TURSID, SM | |
| 9 | 0957 | 1.0 | 7.35 | 18.1 | 1.189 | 0-51 | · · · · · · · · · · · · · · · · · · · | -139.7 | | ENTE SULFULLIN | |
| « (| 1013 | 1.5 | 7.40 | 18.7 | 1-190 | 0.38 | 24.93 | -162. | CLEAR, NO, | A S | ' ' |
| 75 | 1029 | 2,0 | 7.12 | 18,9 | 1 | 0.35 | 20.47 | 1 | | (() | |
| Sample: | | 2.5 | 7.43 | 19.0 | | 0.35 | 21.31 | -171.9 | 11, 11, | 11 | |
| | | Method | | Pumpin in GPM | | oth of iip. in Feet | | oils dry? | Yes | No | <u> </u> |
| | Purge | 55 suem | ERSIBLE | 0.04 | le | 0.0 | | | isposal Method | | |
| | | L L | k · | 13 | 7 - | U | | DN SITE D | • • | O GAL | |
| | Sample | | | | | | | | | | |
| (2) | | g Data DNU SV # of | BM ITTIPL | 1 AMB | en to la | B Ove | po TVA | らり アケ c Total nu | SPIYE umber of Bottles | s 10 | 1 TAK |
| (2) | Sampling | # of Conta | ainers Ana | lyses | | Preserv. | 70 TV6 | | | s <u>10</u> | 1 TAK |
| 2 | Bottle Typ | # of Conta | ainers Ana | lyses | | | | Total nu | | s <u>10</u> | TAKE |
| 2 | Bottle Typ | be Conta | ainers Ana 3 by | lyses Lo / VOC 5 Lo / c PA | His | Preserv. | | Total nu | umber of Bottles te Sample I.D. | s <u>10</u> | 1 TAKE |
| 2 | Bottle Typ UD ML VOR 500 ML A 250 ML | # of Conta | Ana Ana Ana Ana Ana Ana Ana Ana Ana Ana | lyses Lo/vocs Lo/cpA | HÌS TAIS | Preserv. HC1 HN03 | Filter | Total nu Duplica Field Bl | umber of Bottles te Sample I.D. | s <u>10</u> | 1 TUX |
| 2 | Bottle Typ | # of Conta 3 / Poly Poly | Ana Ana Ana Ana Ana Ana Ana Ana Ana Ana | lyses Lo / VOC 5 Lo / c PA | HÌS TAIS | Preserv. HC1 HN03 | Filter | Total nu Duplica Field Bl Rinseat | umber of Bottles te Sample I.D. ank I.D. | | 1 TOK |
| | Bottle Typ Bottle | # of Contain Toe/Tubing T | ainers Ana 3 by 1 pr | lyses Lo/vocs Lo/cpA | HÌS TAIS | Preserv. HC1 HM03 HN03 | Filter | Total nu Duplica Field Bl Rinseat nd/Serial I | te Sample I.D. lank I.D. te Sample I.D. | | |
| | Bottle Typ UD ML VOR 500 ML 250 ML 250 ML | # of Contain Toe/Tubing T | ainers Ana 3 bik 1 pr 70 70 70 70 70 70 70 | lyses LD / VOC 5 LD / CPA TAL ME 15 SOLUBD M | HIS TAIS ISTALS | Preserv. HC1 HN03 HN03 | Filter O-45 J | Total nu Duplica Field Bl Rinseat nd/Serial I C. meter | te Sample I.D. lank I.D. te Sample I.D. Vo./Material | Units | |
| | Bottle Typ Bottle | # of Contain A for | ainers Ana 3 by 1 pr | lyses LD / VOC 5 LD / CPA TAL ME 15 SOLUBD M | HIS TAIS ISTALS | Preserv. HC1 HM03 HN03 | Filter O-45 | Total nu Duplica Field Bl Rinseat nd/Serial I C. meter | te Sample I.D. lank I.D. te Sample I.D. Vo./Material | 1 Units | |



> 48 1031 49 1034 50

| | PROJECT | NM | B | | | DATE | TIME SAM | IPLED _ | 9/17/2020 | 1040 | |
|----------|--|--|--|--|-----------------------|------------------------|---------------------------------------|--|--|--------------------|----------|
| | JOB NO. | 194 | 09 04 | | | TIDAI | LLY INFLUE | NCED Y | /ES | _ NOX | _ |
| | PROJECT N | IANAGER | MD | +6EL | | WELL | DEPTH IN | FEET | 65 | | _ |
| | FIELD REPS | s | BLU | ITLE | | SCRE | EENED INTE | ERVAL IN FE | ET 55-6 | - 5 | |
| 1 | Purging L | Data/Field | d Measure | ements: A | All Measureme | nts Relativ | e to Top of | Casing (TOC | r) | | |
| | WELL DEPT | гн | 6 | 5 | | CASI | NG VOLUM | E IN GALLO | NS 4.0 |) | |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET 6 | 3,95 | [2' | ' diam = x .1 | 63 gai/ft | 4" diam = x .65 | 53 gal/ft] | |
| | DEPTH TO | WATER (DT | W) IN FEET | 39 | -21 | PUR | GE VOLUME | E IN GALLON | ns ta | 2. 0 | |
| | (DTS - DTV | v) | 24 | .74 | | ACTU | JAL PURGE | IN GALLON | s 2,5 | 7 | |
| e\ | Time | No. of Gallons Purged | pН | Temp in °C | Conduct in MS/CM | Diss. Oxygen in rall | Turbidity | ORP | | quality, recovery, | |
| MITIML - | 0430 | 0.1 | 7.61 | 17.7 | 1.184 | 0.84 | 95.49 | 94.6 | | MT T TURSID, SM | |
| 9 | 0957 | 1.0 | 7.35 | 18.1 | 1.189 | 0-51 | · · · · · · · · · · · · · · · · · · · | -139.7 | | ENTE SULFULLIN | |
| « (| 1013 | 1.5 | 7.40 | 18.7 | 1-190 | 0.38 | 24.93 | -162. | CLEAR, NO, | A S | ' ' |
| 75 | 1029 | 2,0 | 7.12 | 18,9 | 1 | 0.35 | 20.47 | 1 | | (() | |
| Sample: | | 2.5 | 7.43 | 19.0 | | 0.35 | 21.31 | -171.9 | 11, 11, | 11 | |
| | | Method | | Pumpin in GPM | | oth of iip. in Feet | | oils dry? | Yes | No | <u> </u> |
| | Purge | 55 suemi | ERSIBLE | 0.04 | le | 0.0 | | | isposal Method | | |
| | | L L | k · | 13 | 7 - | U | | DN SITE D | • • | O GAL | |
| | Sample | | | | | | | | | | |
| (2) | | g Data DNU SV # of | BM ITTIPL | 1 AMB | en to la | B Ove | po TVA | らり アケ c Total nu | SPIYE umber of Bottles | s 10 | 1 TAK |
| (2) | Sampling | # of Conta | ainers Ana | lyses | | Preserv. | 70 TV6 | | | s <u>10</u> | 1 TAK |
| 2 | Bottle Typ | # of Conta | ainers Ana | lyses | | | | Total nu | | s <u>10</u> | TAKE |
| 2 | Bottle Typ | be Conta | ainers Ana 3 by | lyses Lo / VOC 5 Lo / c PA | His | Preserv. | | Total nu | umber of Bottles te Sample I.D. | s <u>10</u> | 1 TAKE |
| 2 | Bottle Typ UD ML VOR 500 ML A 250 ML | # of Conta | Ana Ana Ana Ana Ana Ana Ana Ana Ana Ana | lyses Lo/vocs Lo/cpA | HÌS TAIS | Preserv. HC1 HN03 | Filter | Total nu Duplica Field Bl | umber of Bottles te Sample I.D. | s <u>10</u> | 1 TUX |
| 2 | Bottle Typ | # of Conta 3 / Poly Poly | Ana Ana Ana Ana Ana Ana Ana Ana Ana Ana | lyses Lo / VOC 5 Lo / c PA | HÌS TAIS | Preserv. HC1 HN03 | Filter | Total nu Duplica Field Bl Rinseat | umber of Bottles te Sample I.D. ank I.D. | | 1 TOK |
| | Bottle Typ Bottle | # of Contain Toe/Tubing T | ainers Ana 3 by 1 pr | lyses Lo/vocs Lo/cpA | HÌS TAIS | Preserv. HC1 HM03 HN03 | Filter | Total nu Duplica Field Bl Rinseat nd/Serial I | te Sample I.D. lank I.D. te Sample I.D. | | |
| | Bottle Typ UD ML VOR 500 ML 250 ML 250 ML | # of Contain Toe/Tubing T | ainers Ana 3 bik 1 pr 70 70 70 70 70 70 70 | lyses LD / VOC 5 LD / CPA TAL ME 15 SOLUBD M | HIS TAIS ISTALS | Preserv. HC1 HN03 HN03 | Filter O-45 J | Total nu Duplica Field Bl Rinseat nd/Serial I C. meter | te Sample I.D. lank I.D. te Sample I.D. Vo./Material | Units | |
| | Bottle Typ Bottle | # of Contain A for | ainers Ana 3 by 1 pr | lyses LD / VOC 5 LD / CPA TAL ME 15 SOLUBD M | HIS TAIS ISTALS | Preserv. HC1 HM03 HN03 | Filter O-45 | Total nu Duplica Field Bl Rinseat nd/Serial I C. meter | te Sample I.D. lank I.D. te Sample I.D. Vo./Material | 1 Units | |



| | (e.g., 20' N PROJECT | MM | | Α) | | DATE | E/TIME SAM | PLED | 9/17/2020 0832 |
|----------|---|--|---|--|----------------------------------|---|--|--|---|
| | JÖB NO. | 19409 | 104 | - | | | LLY INFLUE | - | YES NO X |
| | PROJECT M | | M DAS | el | | | L DEPTH IN | | 45 |
| | FIELD REPS | | LYTLE | | | 2 11 | EENED INTE | - | EET 35-45 |
| 1 | Puraina L | | d Measure | ments: A | All Measurem | | | | |
| <u> </u> | WELL DEPT | | | | | | NG VOLUMI | | 102 |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET 4 | 1.30 | [2 ⁱ | " diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| | DEPTH TO | WATER (DI | TW) IN FEET | 2 | 9,82 | PUR | GE VOLUME | IN GALLO | NS 5.61 |
| | (DTS – DTW | v) | 11.48 | | | | | | vs 2.5 |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in Sca | Diss. Oxygen in my/L | Turbidity | ORP | Comments: quality, recovery, color, odor, |
| MAL | 0743 | O.\ | 6-42 | | | 2.50 | 1422.49 | in <u>m V</u> | INITIAL BROWN BARY BROWN TO BIDGETT |
| | 0758 | 1.0 | 6.02 | 17.7 | 0.594 | 2.02 | - | 294.7 | SMOVE GRAY NABIDITY, NO. N. |
| | | 1.5 | | | <u> </u> | | 351.30 | | SLICHTRY TURBIO, NO, NO |
| | 0812 | | 6.08 | 17.7 | 0.595 | 1.94 | 50.66 | 269.4 | |
| | 0823 | 2.0 | 6.27 | 17.7 | 0.597 | 2.08 | 48.11 | 253.6 | α, α, α |
| sample: | O83 2 | 2.5 s: Tuce10 | 6.33 | 17.9 | 0.596 | 2,10 | 22.33 | 201.4 | REMAINS. |
| sample: | | Method | 6.33 | Pumpin in GPM | 0.596 25 ro 50 | 2.10 NT JOR epth of quip. in Feet | 22.33 | 201. 4 2.0 Gm | auns was |
| sample: | | Method | 6.33 | 17.9 | 0.596 25 ro 50 | 2.10 NTV JVR | PRIOR TO | 201. 4 2.0 Gm ils dry? At no. of | Yes No casing volumes |
| ample: | Comments | Method | 6.33 | Pumpin in GPM | 0.596 85 30 50 19 Rate De Ec | 2.10 NT JOR epth of quip. in Feet | Paior to Bo Pu | 201. 4 2.0 Gm ils dry? At no. of | Yes No Casing volumes Disposal Method/Volume |
| eample: | Comments | Method SS SUBMI | 6.33 | Pumpin in GPM | 0.596 85 30 50 19 Rate De Ec | 2.10 NT JOR epth of quip. in Feet | Paior to Bo Pu | 201. 4 2.0 Gm ills dry? At no. of orge Water E | Yes No casing volumes No Casing Volume No Casing Volume |
| cample: | Purge Sample | Method SS SUBMI | 6.33 ITY SPILLED | Pumpin in GPM | 0.596 85 30 50 19 Rate De Ec | epth of quip. in Feet | Paint to Bo Pu | 201, 4 2.0 Gm ills dry? At no. of orge Water E | Yes No Casing volumes No Casing volumes No Casing volumes |
| eample: | Purge Sample Sampling | Method SS SUBMI | 6.33 ITY SPILLED MSIBLE | Pumpin in GPM | 0.596 S 70 50 Ig Rate De Ed | 2.10 NTO JOR epth of guip. in Feet 10 In | Paior to Bo Pu | 201. 4 2.0 Gm. ills dry? At no. of orge Water E | Yes No casing volumes Disposal Method/Volume Drum / 3.0 |
| eample: | Purge Sample | Method SS SUBMI | 6.33 ITY SPILLED | Pumpin in GPM O.o. | 0.596 0.596 0.596 0.596 | epth of quip. in Feet | Paint to Bo Pu | 201. 4 2.0 G/m ills dry? At no. of orge Water E | Yes No casing volumes Disposal Method/Volume Drum / 3.0 umber of Bottles 10 |
| eample: | Purge Sampling Bottle Typ | Method SS SUBMI | 6.33 The spuleo asiners Anala GAS 1816- | Pumpin in GPM Oco yses Of CPA | 0.596 g Rate De Ec | 2.10 NTO JOR epth of guip. in Feet 10 In | Paint to Bo Pu | 201. 4 2.0 G/m ills dry? At no. of orge Water E | Yes No casing volumes Disposal Method/Volume Drum / 3.0 |
| eample: | Purge Sampling Bottle Typ 40 wt Vol | Method SS SUBMI Pof Conta # of Conta # of Conta # of | 6.33 The species and 3 Grant poor 1 | Pumpin in GPM O.o. | g Rate De Ec | epth of quip. in Feet | Paint to Bo Pu | 201. 4 2.0 Gm. ills dry? At no. of orge Water E | Yes No casing volumes Disposal Method/Volume Drum / 3.0 umber of Bottles 10 |
| eample: | Purge Sampling Bottle Typ 40 ml Vol | Method SS SUBMI Pata # of Conta Ben 1/ Pary | 6.33 The species and 3 Grant poor 1 | Pumpin in GPM Oro yses VO / VO TALL ME | g Rate De Ec | Preserv. HCI HWV3 | Paid to Bo Pu Filter | 201. 4 2.0 Gm. ills dry? At no. of our gree Water Elegan Sure Control of the c | Yes No casing volumes Disposal Method/Volume Drum / 3.0 umber of Bottles 10 ate Sample I.D. |
| 2 | Purge Sampling Bottle Typ 40 mt Vol | Method SS SUBMI Part Ben [// Part Part Part Method SS SUBMI M M M M M M M M M M M M | ainers Anal 3 GA 1 PG 005 | Pumpin in GPM Oro yses VO / VO TALL ME | g Rate De Ec | Preserv. HCI HW3 | Paid to Bo Pu Filter | 201. 4 2.0 G/m ills dry? At no. of orige Water E 201. 5 TTE 0 Total n Duplica Field B Rinsea | Yes No casing volumes Disposal Method/Volume Drum / 3.0 umber of Bottles 10 ate Sample I.D. stank I.D. te Sample I.D. |
| 2 | Purge Sampling Bottle Typ 40 ml Vol | Method SS SUBME Pata # of Conta Ben 1/ Pary Pary uipment me/Tubing T | ainers Anal 3 GA 1 pr pr pr pr pr pr pr pr pr pr | Pumpin in GPM O.O Voc SUB / G SUB / G | g Rate De Ec | Preserv. HCI HN03 | Para To Bo Pu Filter Joly Span Type/Bran | 201. 4 2.0 G/m ills dry? At no. of origing Water E 2M STRE C Total n Duplica Field B Rinsea | Yes No casing volumes No casing volumes No casing volume No No No No No No No No No No No No No |
| 2 | Purge Sampling Bottle Typ 40 mt Vol 500 mt An 250 mt An 250 mt An 250 mt An | Method SS SUBMI Para Hof Conta Ben 1/ Pary 1 Par | ainers Anal 3 GA 1 PG 005 | Pumpin in GPM O.O Voc SUB / G SUB / G | g Rate De Ec | Preserv. HCI Hwv3 T | Bo Pu Filter Filter O.45 pc Emp/pH/E. | 201. 4 2.0 G/m ills dry? At no. of origing Water E 2M STRE C Total n Duplica Field B Rinsea | Yes No casing volumes No casing volumes No casing volumes No No casing volumes No No No No No No No No No No No No No |



| | | | c. (for new well er of building A | · — | - | | | | | |
|---------|-------------|-----------------------------|--------------------------------------|------------------|--------------------|-----------------------------------|-----------------|-------------|-----------------------------|--|
| | PROJECT | M | MB | | | DAT | E/TIME SAM | PLED 9 | 117/2020 1 | 317 |
| | JOB NO. | 19 | 40904 | | | TIDA | ALLY INFLUE | NCED ' | YES NO | <u> </u> |
| | PROJECT M | IANAGER | M. (| PAGEL | | WEL | L DEPTH IN | FEET _ | 45 | |
| | FIELD REPS | S | B. L | TRE | | SCR | EENED INTE | ERVAL IN F | EET 35-45 | |
| 1 | Purging L | Data/Field | l Measuren | nents: / | All Measurei | ments Relati | ive to Top of (| Casing (TOC | _ | |
| | WELL DEPT | `Н | 45 | | | | ING VOLUM | E IN GALLO | NS | |
| | DEPTH TO | SEDIMENT | (DTS) IN FEE | | ~47~ 43 | :.25 | 2" diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ | ft] |
| | DEPTH TO | WATER (DT | W) IN FEET | _ 3 | 0.47 | PUR | RGE VOLUME | IN GALLO | NS <u>5.8</u> | <u> </u> |
| | (DTS - DTV | /) | 11,88 | | | ACT | UAL PURGE | IN GALLON | vs | |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in mS lan | Diss. Oxygen in <u>ry/L</u> | Turbidity | ORP in _mV | | y, recovery, color, odor, |
| INMAL | 1210 | 0.1 | 8.17 | 18.1 | 0.554 | 1.30 | 77.92 | 153.6 | INITIALLY CLEAR | , NO, NS |
| | 1232 | 1.0 | 7.21 | 19.0 | 0,549 | 0,84 | 26.13 | 107.0 | CLEAR, NO, N | 5 |
| | 1302 | 2.0 | 7,08 | 18,6 | 0.542 | | 6-11 | 49.6 | ппп | |
| SAMPLE | 13.17 | 3,0 | 7.08 | 18.5 | 0.543 | | 4.97 | 33.6 | " (1) | (|
| sample: | | | | | | | | | , | |
| | | Method | | Pumpir in GPM | ٠ ١ | Depth of | 1 | oils dry? | Yes | |
| | Purge | 55 50B1 | MERSIBLE | 0.0 | ٥4 | 40 | | | Disposal Method/Volui | |
| | Sample | ls. | | V | | I(| | _ | E ORUM / H.O | |
| (2 | Sampling | | | | | | | | | 10 |
| | Bottle Typ | # of conta | niners Analys | ses | | Preserv. | Filter | i Otal II | umber of Bottles | 10 |
| | 40ml VC | 1 - 1 | | , | • | HCI | | Dunlin | ate Sample I.D. | |
| | 500 ml A1 | ness 1/1 | Date | / cPA | pl 5 | | | | ate sample I.D. Blank I.D. | |
| | 250ml P | | <u> </u> | n Met | | HN03 | | | | |
| | 250ml 1 | Poly | 01.5% | oluto M | letra 15 | 41/103 | 0.45pm | Rinsea | ate Sample I.D | |
| 3 |) Field Eq | uipment | | 1 | | | Type/Brai | nd/Serial | No./Material Uni | ts |
| | Pump Typ | e/Tubing T | ype | 508/ | PE | | Temp/pH/E | .C. meter | 451 055 | ριο |
| | Bailer Typ | e | | | | · · · · · · | Water Leve | l Probe | WATERLI | NE |
| | Filter Type | e | 0.45 pm | ^ | | | Other | | | Agent enterstanding of the 4 WANTER from |
| 4 | Well Co | nditions | Ol | < X | Not OK | Expla | in | | | |



| , | | | C. (for new well er of building A | · | (1 | | | | | | |
|-------------|-------------|-----------------------------|--------------------------------------|--|--|--------------------------|---------------|-------------|------------------|-------------|--|
| | PROJECT | | 4B | •, | | DATE | E/TIME SAM | PLED | 9/17/2020 | 144 | 0 |
| | JOB NO. | | 10904 | | | | LLY INFLUE | - | | | X |
| | PROJECT M | | M. 1 | D A GEL | | WELI | DEPTH IN | | 45 | | |
| | FIELD REPS | | B. Ly | | | | | _ | ET 35-4 | 5 | |
| (1) | Purging [| | i Measuren | | Measurer | | | | | | |
| <u> </u> | WELL DEPT | 60 | 45 | | | | NG VOLUM | | | | |
| | | | (DTS) IN FEE | т 47- | OS | | " diam = x .1 | | 4" diam = x .653 | | |
| | | | W) IN FEET | 34.8 | | | GE VOLUME | - | ^ | | |
| TICK UP 2.9 | (DTS – DTW |) | 12,37 | | | ACT | JAL PURGE | IN GALLON | ALC: N | | |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in Som | Diss. Oxygen in mall | Turbidity | ORP | | | overy, color, odor, umulated silt/sand |
| INITIAL | 1400 | 0.1 | 7.66 | 18. Z | 0.585 | 0.90 | 434.60 | 122.4 | | | RAY TURBINITY, |
| | 1412 | 1,0 | 6.85 | 18.2 | 0.582 | | 176.11 | 1.4 | MODERATE WA | 4 404-13:11 | PITY, NO, NS |
| | 1428 | 2.0 | 6.63 | 17-6 | 0.585 | 0.43 | 45.55 | 4-40.8 | CLEAR, NO, N | S | |
| | | | | | | | | | | | |
| sample: | 1440 | 3,0 | 6.58 | 17.4 | 0.586 | 0.41 | 21.59 | -38.2 | 11 4 | ι(| |
| | | Method | | Pumpin in GPM | - 1 | epth of quip, in Feet | | oils dry? | Yes | | |
| | Purge | SS SUB | - | 0.0 | 7 4 | 0 (42.9) | Pu | | isposal Method/V | | |
| | Sample | W | | 11 | | 11 | 1 | ON SITE | | | |
| 2 | Sampling | | | | | | _ | | | | |
| | Bottle Type | | | ses | | Preserv. | Filter | i otal ni | umber of Bottles | | • |
| | 40ml VOR | | | | C 5 | HCI | | Duplica | te Sample I.D. | | |
| ñ: | 500 ML AM | 1 | - | | PAH 5 | | ' | - | ank I.D. | | |
| | 250 ml P | | | PAL MET | | HNO3 | 5 115 | | te Sample I.D. | | |
| 3 | Field Equ | | | 7)0(00) | - 1000 | | 10-45 pm | | No./Material U | Inita | |
| | r reiu Lyt | upmem | | ŀ | | • | уре/Біаі | iu/Seriai i | vo./iviateriai C | mis | |
| | Pump Typ | e/Tubing T | ype <u> </u> | SUB | PE | ·ī | emp/pH/E. | .C. meter | | ss pa | |
| | Bailer Typ | e | CALLS CALL MANAGED NAMED | THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLU | ATTACHER TO THE RESIDENCE OF THE PERSON OF T | | Vater Level | l Probe | - with | en in | /6 |
| | Filter Type | | 0-45 | MA | | (| Other | | | | |
| 4 |)Well Cor | nditions | Oł | « X | Not OK | Explair | 1 | | | | |



| | PROJECT | | er of building MB | A) | | DATE | TIME SAM | IPLED O | /18/2020 | 1620 | |
|--------------------|---|---|----------------------|---|--------------------------|---------------------------------------|---------------------------|--|-------------------|----------------------|----------------------|
| | JOB NO. | | 942904 | | | | LY INFLUE | | YES | NO | |
| | PROJECT N | _ | | DAGEL | | | . DEPTH IN | | 51 | _ 100 | |
| | FIELD REP | | | LYTLE | | | | ERVAL IN F | | 1-51 | |
| \bigcirc | | | | | | | | | | | |
| (1) | | | d Measure | ments: , | All Measuren | nents Relativ | e to Top of | Casing (TO | | 5 | |
| | WELL DEP | | 51 | | | | | E IN GALLO | $\frac{3}{1}$ | | |
| | DEPTH TO | SEDIMENT | (DTS) IN FEE | | 80 BTO | | diam = x .1 | 63 gal/ft | 4" diam = x .65 | | |
| | DEPTH TO | WATER (DT | W) IN FEET | 3 | 4.52 61 | PURG | SE VOLUME | E IN GALLO | ns <u>9</u> | <u> </u> | |
| | (DTS - DTV | V) | 18.28 | · · · · · · · · · · · · · · · · · · · | | ACTU | IAL PURGE | IN GALLO | NS <u>3.</u> 0 |) | |
| | | No. of Gallons | | Temp | Conduct | Diss. Oxygen | | ORP | Comments: | quality, rec | covery, color, odor, |
| INITIAL | Time | Purged | pH | in °C | in <u>MS/on</u> | in mg/L | Turbidity | in MV | | | cumulated silt/sand |
| 10. | 0958 | 0.1 | 8.32 | 6.0 | 0.656 | | 11,60 | 163.2 | INITIALLY CLE | | <u> </u> |
| | 1003 | 1.0 | 7.55 | 16.0 | 0.656 | 0.58 | 4.71 | 135.3 | CLEAR, NO, | , 10 5 | |
| | 1016 | 2.0 | 7,51 | 16.3 | 0.659 | 0.51 | 2,89 | 39.9 | 11 , 4 | <i>(</i> (1 | |
| SAMPLE | 1058 | 3.0 | 7.54 | 16.2 | 0.658 | 0.47 | 3.88 | -3.5 | " " | 1 11 | |
| | | | 1 | | | | | | | | |
| Sample: | Comment | s: BATTELY | Mage 10 | ~, MA.O | 79 6ET F | less milder | continuerd | i werens | no volume | | |
| Sample: | L | s: £ATTEL | wadee to | | ng Rate D | epth of quip, in Feet | Вс | oils dry? | Yes | | No X |
| sample: | Comment | Method | neesual E | Pumpii | ng Rate D | epth of | Bo | oils dry? At no. of | Yescasing volumes | | |
| | Comment | Method | | Pumpii in GPN | ng Rate D | epth of quip. in Feet | Bo | oils dry? At no. of urge Water I | Yescasing volumes | d/Volume | |
| ૧૯૯ પ્ર | Comment | Method | 16e 5101 E | Pumpii in GPN | ng Rate D | epth of quip. in Feet 46 (48,78 | Bo | oils dry? At no. of urge Water I | Yescasing volumes | d/Volume | |
| ick vp | Comment | Method SS Sucr | 16e 5101 E | Pumpii in GPN | ng Rate D | epth of quip. in Feet 46 (48,78 | Bo | oils dry? At no. of urge Water I | Yescasing volumes | d/Volume | |
| rck up | Comment Purge Sample | Method 55 508 F | ace suct E | Pumpii in GPN // \f | ng Rate D 1 E 0S 4 | epth of quip. in Feet 46 (48,78 | Bo | Dils dry? At no. of urge Water I اهمال الإراكية | Yescasing volumes | d/Volume | |
| rick up | Purge Sample Samplin Bottle Typ | Method SS SUBT g Data pe # of Conta | ace sur LE | Pumpii in GPN () \(\frac{1}{2}\) | ng Rate D | epth of quip. in Feet | Bo 370c) _{Pl} | At no. of At no. of urge Water I الاستان الاستان Total n | Yes | d/Volume R. 5 GAC | |
| rick up | Purge Sample Samplin Bottle Typ 40 At VOA | Method 55 508 r g Data pe # of Conta 3/2 | ainers Analy GR | Pumpii in GPN 0.4 | ng Rate D 1 E 08 4 | epth of quip. in Feet 46 (48.78 | Bo 370c) _{Pl} | Dils dry? At no. of Urge Water I ON S (TTE) Total n | Yes | d/Volume R. 5 GAC | |
| rick up | Purge Sample Samplin Bottle Typ 40 Mt VOA 500 Mt AV 250 AL | Method SS SORT G Data De Conta 3/- | ainers Analy J D | Pumpii in GPN O .1 //ses O / VOC AD / c P | ng Rate DE OS 4 | Preserv. | Broc) Pu | At no. of At no. of urge Water I الاستان Total n Duplica Field E | Yes | d/Volume R. 5 GAC | |
| rick up | Purge Sample Samplin Bottle Typ 40 Mr. VOA 500 Mr. AV 250 Mr. AV | Method SS SORT G Data De Conta 3/- | ainers Analy J D | Pumpii in GPN O .1 //ses O / VOC AD / c P | ng Rate D 1 E 08 4 | Preserv. HC HAO 3 | Filter 0.45 m | Total no Pield E | Yes | d/Volume P.5 bac | |
| rick up + 2.7 | Purge Sample Samplin Bottle Typ 40 mt VOA 500 mt Al 250 mt Al 250 mt Al | Method SS SUBA G Data B of Conta 3/2 Coly | ainers Analy GR | Pumpii in GPN O .1 //ses O / VOC AD / c P | ING Rate DE E | Preserv. HC[HNO 3 | Filter O. 45 M | Total no Duplica Field E | Yes | d/Volume P.5 bac | |
| rick up + 2.7 | Purge Sample Samplin Bottle Typ 40 Mr. VOA 500 Mr. AV 250 Mr. AV 250 Mr. AV 250 Mr. AV Pump Typ | Method SS SORT G Data De Conta 3/- Poly uipment De/Tubing T | ainers Analy GR | Pumpii in GPN O.1 /ses O / VOC AU / C P WY ME //Socres | ING Rate DE E | Preserv. HC[HNO 3 T | Filter O. 45 M | Total n Duplice Rinsea | Yes | d/Volume P. 5 LAC s | |
| rick up + 2.7 | Purge Sample Samplin Bottle Typ 40 mt VOA 500 mt Al 250 mt Al 250 mt Al | Method SS SOCK g Data pe # of Conta 3/2 Pear I/ Pory I uipment pe/Tubing Toe | ainers Analy GR | Pumpii in GPN O.1 /sees O / VOC (IU) / C P OYSOLUED S SUB / | ING Rate DE E | Preserv. HCI HNO 3 FINO 3 | Filter O. 45 M | Total n Duplice Rinsea | Yes | I Units | |



| | (e.g., 20' N | IW of E corn אין | | g A) | | DATE | TIME SAM | PLED 9/ | 18/2020 1148 |
|--|--|--|--------------|--|-------------------|-----------------------|-----------------|--|--|
| | JOB NO. | 191 | 10904 | | | | LLY INFLUE | /- | YES NO N |
| | PROJECT I | | n. | 041-61 | | | DEPTH IN | | 35 |
| | FIELD REP | | в. | | | | ENED INTE | - | |
| | | | | | | | | | |
| (1) | Purging | Data/Field | a Measur | ements: | All Measurem | ents Relativ | re to Top of (| Casing (TOC | |
| | WELL DEP | тн | _ | | | CASI | NG VOLUM | E IN GALLO | ns |
| | DEPTH TO | SEDIMENT | (DTS) IN FI | EET 3 | 7.75 (810 | -/- 1- | ' diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| | DEPTH TO | WATER (D) | | | 2.40 (B70 | <u>c)</u> PUR(| GE VOLUME | IN GALLO | |
| | (DTS - DTV | V) | 5 | ,35 | | ACTU | JAL PURGE | IN GALLON | 1. S |
| | | No. of Gallons | | Temp | Conduct | Diss. Oxygen | | ORP | Comments: quality, recovery, color, |
| INITIAL | Time | Purged 0-1 | 9.21 | in °C | in MS/cm | in <u>Ing/L</u> | Turbidity | in_wV | sheen, accumulated silf |
| 110 () () | 1127 | 0.5 | 7.33 | 16.4 | 0.482 | 4.66 | 24.43 | 198.4 203.0 | INSTITUTE CHAR, SCIENT SOLVER CHEST MOR, NS CLEAR, NO, NS |
| | 1135 | | 6.80 | 16.3 | 0-484 | 4.41 | | | |
| | | 1.0 | - | 17.0 | 0.482 | 4.40 | 5.30 | 200.4 | 11 11 11 |
| #. 01F | 1 1148 | 1/ = | 1 (. ()) | 1 14 7 | | | | 100 - | |
| SAMPLE 'sample CUP 2.8 | Comment | 1.5 s: | | 17.3 | 0.482 | 4.32 | 7,82 | 199.7 | и, и, и |
| -sample c∪P | | s: | | Pumpi in GPI | ing Rate De | epth of | Вс | bils dry? | Yes No× |
| -sample ; c∪ρ | | s: | S-O most C16 | Pumpi in GPI | ing Rate De | epth of | Во | oils dry? | Yes No× |
| ≤sample ; ∪ ρ | Comment | s: | S-O most C16 | Pumpin GPI | ing Rate De M Ec | epth of | Bo Bruc) Pu | oils dry? At no. of ourge Water D | Yes No× |
| ≤sample ; ∪ ρ | Comment | Method | S-O most C16 | Pumpin GPI | ing Rate De M Ec | epth of | Bo Bruc) Pu | oils dry? At no. of ourge Water D | Yes No× casing volumes |
| -sample ; c∪ρ | Comment | Method | S-O most C16 | Pumpin GPI | ing Rate De M Ec | epth of | Bo Bruc) Pu | oils dry? At no. of ourge Water D | Yes No× casing volumes |
| -sample c υ ρ | Comment Purge Sample | Method S Per-script g Data # of | 5-8 MBLS IE | Pumpin GPI | ing Rate De M Ec | epth of | Bo Bruc) Pu | oils dry? At no. of ourge Water Down Size O | Yes No× casing volumes |
| -sample ; c∪ρ | Purge Sample Samplin Bottle Tyl YOME VOA | Method Green and a green and | ainers Ana | Pumpin GPI | ing Rate De | epth of quip. in Feet | Bc Pu | At no. of ourge Water Dow Size of | Yes No casing volumes Disposal Method/Volume AMA |
| -sample c∪P | Purge Sample Samplin Bottle Typ 40,000 VOA Soom L Ar | Method Granta g Data pe # of Conta 3/3 Get 1/1 | ainers Ana | Pumpin GPI | ing Rate De M Eco | Preserv. | Bc Pu | oils dry? At no. of correct water E | Yes No casing volumes Disposal Method/Volume 1 |
| -sample c υ ρ | Purge Sample Samplin Bottle Typ You Coal Soom LAr 250 ml Ar | SE Method PCC STACE G Data G Continue 3/3 G C 1/1 DOLY (| ainers Ana | Pumpin GPI | ing Rate De S | Preserv. | Bo Pu | Total no Duplica | Yes No Xeasing volumes Disposal Method/Volume AM / 2, 9 GAL umber of Bottles ate Sample I.D. lank I.D. |
| sample c ∨ ρ 2.8 | Purge Sample Samplin Bottle Typ You C VOA Soom L Ar 250 m L P | SE Method PCC STACE G Data G Continue 3/3 G C 1/1 OUT 1 OUT 1 | ainers Ana | Pumpin GPI | ing Rate De S | Preserv. | Filter | Total no Duplica | Yes No casing volumes Disposal Method/Volume LAM / 2, 9 GAL umber of Bottles ate Sample I.D. lank I.D. te Sample I.D. |
| -sample c∪P | Purge Sample Samplin Bottle Typ You C VOA Soom L Ar 250 m L P | SE Method PCC STACE G Data G Continue 3/3 G C 1/1 DOLY (| ainers And | Pumpin GPI | ing Rate De M Eco | Preserv. | Filter | Total no Duplica | Yes NoX casing volumes Disposal Method/Volume Lum / 2, 0 GAL umber of Bottles ate Sample I.D. lank I.D. te Sample I.D. No./Material Units |
| 'sample c ∪ ρ 2.8 | Purge Sample Samplin Bottle Ty 40,00 VoA Samu Ar 250,00 P | SE Method PCC STACE G Data G Continue 3/3 G C 1/1 OLY 1 OLY 1 | ainers And | Pumpin GPI | ing Rate De M Eco | Preserv. HC L HNO 3 | Filter | Total numbers and/Serial | Yes No casing volumes Disposal Method/Volume AUM / 2, 0 GAL umber of Bottles ate Sample I.D. lank I.D. te Sample I.D. No./Material Units YSI DSS PLO |
| sample c ∨ ρ 2.8 | Purge Sample Samplin Bottle Ty 40,00 VoA Samu Ar 250,00 P | Method Grants | ainers And | Pumpin GPI Le D. C Allyses DRO /VOC RO / C (DISSOLVER SUBMORTS ALLYMAN ALLY | ing Rate De M Eco | Preserv. | Filter O.45 pm | Total no Duplica Field B Rinsea | Yes NoX casing volumes Disposal Method/Volume Lum / 2, 0 GAL umber of Bottles ate Sample I.D. lank I.D. te Sample I.D. No./Material Units |



| | | W of E corn | C. (for new we er of building | A) | ** | | | | / | | - |
|------------|-------------|-----------------------------|----------------------------------|---------------------------------------|--|--|------------|---------------------------|-----------------------|--|------------|
| | PROJECT | | er Megablo | ock | _ | DATE | E/TIME SA | MPLED | 11/3/2020 | | _ |
| | JOB NO. | | 0904 | | | · · · · · | LLY INFLU | | | NO X | _ |
| | PROJECT M | | | el/M Goo | | | _ DEPTH I | IN FEET . | 40 | | _ |
| _ | FIELD REPS | s <u>18</u> | LYTTE | | | SCRE | EENED IN | TERVAL IN F | EET <u>30-40</u> | <u> </u> | _ |
| 1 | Purging L | Data/Field | d Measure | ments: | All Measure | ments Relativ | e to Top o | of Casing (TO | C) | | |
| | WELL DEPT | н | 40 | | | CASI | NG VOLU | ME IN GALLO | ons/.3 | | _ |
| | DEPTH TO | SEDIMENT | (DTS) IN FEE | • • | 8.70 | [2' | diam = x | .163 gal/ft | 4" diam = x .653 g | al/ft] | |
| | | | W) IN FEET | _ | ၁. 3 <i>3</i> | PUR | SE VOLUI | ME IN GALLO | | | |
| | (DTS – DTW | /) | 8.3 | 7 | | ACTU | JAL PURG | SE IN GALLO | vs 3.0 | | _ |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in Man | Diss. Oxygen in | Turbidity | ORP in MV | Comments: qua | lity, recovery, co en, accumulated | |
| NITTAL | 0913 | 0.1 | 7.68 | 14.2 | 683 | 6.04 | 35,03 | 1 | INTRACY CLOAN, | | Silv Sano |
| | 0937 | 1.0 | 7.70 | 16.0 | 724 | 1.13 | 20-16 | | CLEAR, NO | , ~ 5 | - |
| | 0956 | 2.0 | 7.49 | 15.6 | 713 | 0.99 | 7.29 | 118.6 | 11 , 11, | | |
| sample: | 1013 | 3,0 | 7.31 | 15.7 | 689 | 0.83 | 4.34 | 123.2 | 11, 11, | ı(| |
| | Comments | : | | | | | | | | | |
| | | Method | | Pumpir in GPM | 1 E | epth of quip. in Feet | | Boils dry? At no. of a | Yes casing volumes | | <u>, X</u> |
| | Purge | 55 50 | <u>B</u> | 0.0 | 96 | 35 | | | Disposal Method/Vol | | |
| | Sample | 55 50 | 3 | 1 | ι . | 1.0 | | _ | | 3.5 | |
| (2) | Sampling | Data | | | | | _ | | Y Y | | |
| | Bottle Type | # of Conta | iners Analy | ses | | Preserv. | Filter | Total no | umber of Bottles _ | | |
| | 0.5 L ambe | er 1 | T | PH_Dx | | | | Dunlies | ate Sample I.D. | W65.3.4 | |
| | | | | | | | | | lank I.D. | A 200 per centiliste un management (part ett.) per centiliste | |
| | | | <u> </u> | | | | | | te Sample I.D. | | |
| (3) | Field Equ | ioment | | | | <i>Т</i> | vne/Bra | J | No./Material Un | ite | |
| \bigcirc | _ | | | - 1 la | _ | | | | | | |
| | Pump Type | - | ype <u>5</u> 5 | 5.6 /1 | t | · · | | E.C. meter | | s pao | |
| | Bailer Type | | 35.00.71 | | Control of the Contro | | | el Probe | WATER | - CINE | |
| _ | Filter Type | | g. ce. y Negating and | Michigan Strate III P. Supression and | ********** | 0 | ther _ | | | and the second s | |
| 4 | Well Con | ditions | Oł | | Not OK | Explain | | | | | |



| F | (e.g., 20°N PROJECT | | er of building . er Megablo | | | DATE | TIME SAM | IPLED | 11/3/2020 | - 114 | 2 |
|-------|-------------------------------------|--|--------------------------------|-----------------------------|-------------------|----------------------------|---------------|--|--|------------------------|-------------------------------------|
| | JOB NO. | 194 | 0904 | | | TIDAL | LY INFLUE | NCED ` | YES | NO | X |
| 1 | PROJECT N | MANAGER | M Dage | el/M Goo | dman | —— WELL | DEPTH IN | FEET | 37 | | |
| ı | FIELD REP | s | BLYTLE | | | SCRE | ENED INTE | ERVAL IN FE | ET 27- | 37 | |
| 1 | Purging l | | d Measure | | All Measuren | nents Relativ | e to Top of | Casing (TOC | ;) | | |
| • | WELL DEP | тн | 37 | | | CASI | NG VOLUM | E IN GALLO | ns <u>0.6</u> | | |
| | DEPTH TO | SEDIMENT | (DTS) IN FEE | | 5.20 | [2" | ' diam = x .1 | 63 gal/ft | 4" diam = x .653 | - | |
| | DEPTH TO | WATER (DI | ΓW) IN FEET | | 31,30 | PURG | SE VOLUMI | E IN GALLOI | | • | |
| | (DTS – DTV | V) | | 43 | 3,9 | ACTU | JAL PURGE | in Gallon | ıs <u>Z.</u> | 0 | |
| | Time | No. of Gallons Purged | Hq | Temp in °C | Conduct in \$1500 | Diss. Oxygen in 1/4/L | Turbidity | ORP in AV | Comments: q | | covery, color, c cumulated silt/ |
| 4L | 1102 | 0.1 | 7.69 | 145 | 698 | 7.02 | 29.36 | 94.6 | INITIALLY C | Leal, N | 10, NS |
| | 1121 | 1.0 | 6.75 | 15.9 | 763 | 0.99 | 15.23 | 110.1 | CLEAR, NO, | , NS | · |
| | 1142 | 2.0 | 6.67 | 16.0 | 751 | 0.59 | 3.44 | 114,3 | 17 10 | . ((| |
| mple: | 11 12 | 1 2.0 | <u> </u> | 16.0 | | 1 ' | · · · | , - | · · · · · · · · · · · · · · · · · · · | , | |
| mple: | Comment | <u> </u> | | 14.0 | | | | | | , | |
| mple: | | <u> </u> | | | ng Rate D | lepth of quip. in Feet | Во | oils dry? | Yes | | No |
| mple: | | s: | | Pumpir in GPM | ng Rate D | epth of | Во | oils dry? | casing volumes _ | | No K |
| mple: | Comment | s: | | Pumpir in GPM | ng Rate D | epth of quip. in Feet | Во | oils dry? At no. of curge Water E | | Volume | NoK |
| mple: | Comments | Method 55 50 | | Pumpir in GPM | ng Rate D | Tepth of equip. in Feet | Во | oils dry? At no. of curge Water D | casing volumes _ | Volume | |
| mple: | Purge Sampling | Method SS SU W g Data # of | JB | Pumpii in GPN | ng Rate D | Tepth of equip. in Feet | Во | oils dry? At no. of d urge Water E อ ุป | casing volumes _ | Volume | |
| mple: | Comments Purge Sample | Method SS SU W g Data # of Conta | ainers Analy | Pumpii in GPN | ng Rate D | epth of quip. in Feet 32.5 | Bo Pu | oils dry? At no. of d urge Water D อ ป | casing volumes _ Disposal Method/ SITE PRVM | Volume | |
| mple: | Purge Sampling Bottle Typ | Method SS SU W g Data # of Conta | ainers Analy | Pumpir in GPM 0, t | ng Rate D | epth of quip. in Feet 32.5 | Bo Pu | Dils dry? At no. of o urge Water D و ما Total n | casing volumes _ Disposal Method/ SITE PAUA umber of Bottles | Volume | |
| mple: | Purge Sampling Bottle Typ | Method SS SU W g Data # of Conta | ainers Analy | Pumpir in GPM 0, t | ng Rate D | epth of quip. in Feet 32.5 | Bo Pu | Dils dry? At no. of d urge Water D عنا Total n Duplica Field B | casing volumes _ Disposal Method/ SITE PRVM | Volume | |
| 2 2 3 | Purge Sampling Bottle Typ | Method SS SU II g Data # of Container 1 | ainers Analy | Pumpir in GPM 0, t | ng Rate D | Preserv. | Pu Filter | Dils dry? At no. of ourge Water E و عا | casing volumes _ Disposal Method/ SITE PRVM umber of Bottles ate Sample I.D. lank I.D. | Volume /2: | |
| 2 | Purge Sampling Bottle Typ 0.5 L amb | Method SS SU II g Data # of Container 1 | ainers Analy | Pumpir in GPM 0, t | ng Rate D | Preserv. | Pu Filter | Total n Duplica Field B Rinsea | casing volumes | Volume /2: Units | |
| 2 | Purge Sampling Bottle Typ 0.5 L amb | Method SS SU W g Data # of Container 1 uipment pe/Tubing T | ainers Analy | Pumpii in GPN 0, t | ng Rate DA | Preserv. | Filter Filter | Dils dry? At no. of ourge Water E والم الله الله الله الله الله الله الله ا | casing volumes | Volume /2: Units | |



| | PROJECT | | ner of building | (7) | | | | | |
|--------------|-------------|-----------------------------|-----------------|--|---------------------|------------------------|----------------------|-------------|--|
| | · · · · · | Mr. n. cata | - MEGABLO | • | | DAT | TALL CAL | 4DUED | 0/0/ 7857 |
| | JOB NO. | | 940904 | , c pai | | | E/TIME SAM | | 9/3/2020 0857 |
| | | _ | M. O. | A1 Cr | | | ALLY INFLUE | | YES NO 🔍 |
| | | | | | | | L DEPTH IN | | 40' |
| _ | FIELD KEP | S <u>6.</u> | LYTLE | | | SCR | EENED INT | ERVAL IN F | EET 30-40' |
| (1) | Purging | | d Measure | ments: | All Measure | ements Relati | ive to Top of | Casing (TO | PC) |
| | WELL DEP | TH | 40' | <u>. </u> | | CAS | ING VOLUM | E IN GALL | ons 1.7 |
| | DEPTH TO | SEDIMENT | (DTS) IN FE | ET _ 3 | 9.95 | [2 | ?" diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| | DEPTH TO | WATER (D | TW) IN FEET | | 9.45 | | | | ons 5. 1 |
| | (DTS - DTV | V) | 10.5 | | | | UAL PURGE | | |
| | | | | | | | ONE FOR OL | IIV GALLO | |
| | Time | No. of Gallons Purged | pH | Temp in °C | Conduct in mS/cm | | Turbidity | ORP | Comments: quality, recovery, color, odor, sheen, accumulated silt/sand |
| INITIAL | 0814 | 0.1 | 7,89 | 18.0 | 0.563 | 4.65 | 114.95 | 159-1 | INITIALLY SUMT GAT PREIDIT, NO, NS |
| | 0826 | 0.5 | 7.21 | 17.9 | 0.559 | 4.68 | 62-11 | 120, 2 | SULLAT GARY TULBIBITY, NO, NS |
| | 0840 | 1.0 | 7.04 | 17.9 | 0.560 | 4,20 | 21.89 | 101.7 | Clear, NO, NS |
| | | | | <u>' 7 · 1</u> | | 1, =0 | 21.87 | 151.7 | · · · · · · · · · · · · · · · · · · · |
| | 0857 | 1.5 | 1 00 | 10. | 0-562 | 0.00 | - 12 | 88.3 | CLEAR, NO, NS |
| sample: | 0837 | 1. > | 6.99 | 18.0 | 0-362 | 3.88 | 20.40 | 88.3 | 1,20, 203 |
| | | Method | | Pumpir in GPM | | Depth of quip. in Feet | | ils dry? | |
| | Purge | PERISMITI | ۷. | 0,0 | 3 | 35' | | | casing volumes |
| | Sample | 4 | | į, | | [1 | 1 | rge Water D | Disposal Method/Volume |
| (2) | Sampling | | | | | · · · · | | | 12 GALLONS |
| | Bottle Type | # of Conta | iners Analy | IPAP | | D | | Total n | umber of Bottles |
| 500 ML AMBEN | | - 1 | 2 PCI | | | Preserv. | Filter | | |
| | 40 ML VOA | | | /VOCs | | HC1 | - | Duplica | ate Sample I.D. |
| 9 | 500mL A | | De | | PAHS | | | Field Bl | lank I.D. |
| | 250 ML F | - | * | c Memis | | HNO2 | | Rinsea | te Sample I.D. |
| 3 | TSO ME | POLY 1 | | SOLVED M | | HMD2 | 0.45 µm ype/Brand | d/Serial I | No./Material Units |
| | Pump Type | e/Tubing T | ype Persity | NOTIC / PE | | Т | emp/pH/E.0 | C. meter | 451 DSS PRO |
| | Bailer Type | · | | | | w | ater Level | Probe | WATER LINE |
| | Filter Type | | 1.45 um | | | | ther | | |
| 4 | Well Con | ditions | OF | K X | Not OK | Explain | | | |



| PROJECT | MC | RIEN ME | 606 LPC10 | | DA. | TE/TIME SAM | PLED | 9/10/202 | n A | oun |
|--|--|-----------------|---|--|------------------------------|------------------|--|--|-----------------|---------------------|
| JOB NO. | | 40904 | | | | ALLY INFLUE | | YES | NO | <u>870</u> <i>V</i> |
| PROJECT N | | M. C | | | | LL DEPTH IN | | 40 1 | 110 | |
| FIELD REP | | B. 14T | | | | REENED INTE | | | 401 | |
| | | 6 | | All Measure | | tive to Top of | | | 10 | |
| WELL DEP | | 40` | | rin Modesor | | SING VOLUM | | | 83 | |
| DEPTH TO | SEDIMENT | (DTS) IN FE | ET 40 | , , | | [2" diam = x .1 | 63 gal/ft | 4" diam = x .6 | 53 gal/ft) | |
| DEPTH TO | WATER (DT | W) IN FEET | 28 | 180 | | RGE VOLUME | | | <i>5</i> .5 | |
| (DTS - DTV | v) <u>[1</u> | .10 | | | AC | TUAL PURGE | IN GALLO | | -3.0 | |
| Time | No. of Gallons Purged | рН | Temp in °C | Conduct in MS/C | | 1 | ORP in m | Comments: | | |
| 0800 | 0-1 | 9.16 | 16.8 | 0.795 | - | 515.98 | 203-1 | INITIALLY NS, SHE | sheen, ac | |
| 0805 | 0.5 | 8.09 | 16.7 | 0.780 | | 210.39 | 153,9 | VERY NABIO | blay Today | 000151 |
| 0810 | 1.0 | • | 16.8 | 0.782 | + | 105.61 | · · | MODERATE TO NS, 5 L | BENDMEN | M-1116 |
| 0,0 | | 7.33 | 17.1 | 0.788 | 1.5 | | 114.0 | CHAR, NO | ELIT PE | blose um |
| 002 N | 1 (/ | | | | | | | | | |
| 082,5 Comments | 1.5 | T.33 | | | | 33.51 APIOLM, | 58.8 | Centina | <u> </u> | عمدر |
| | | | > stiggt y | 1. ~461017 | Depth of | APIOLY, | ils dry? | (entinu | ED ON | |
| Comments | Method | Kinemseo Fu | Pumpir in GPM | ng Rate | Depth of | APIOLY, | ills dry? | Yescasing volumes | ED ON | |
| Comments | Method 55 5/6/ | | Pumpir in GPM | ng Rate | Depth of Equip. in Fed | APIOLY, Bo | ils dry? At no. of o | Yescasing volumes | ED ON | |
| Comments | Method | Kinemseo Fu | Pumpir in GPM | ng Rate | Depth of | APIOLY, Bo | ills dry? | Yescasing volumes | ED ON | |
| Comments | Method 55 5/6/ | Kinemseo Fu | Pumpir in GPM | ng Rate | Depth of Equip. in Fed | APIOLY, Bo | ils dry? At no. of o | Yescasing volumes | ED ON | |
| Purge Sample | Method 55 5/6/1 70 Data # of | ntasione | Pumpir in GPM | ng Rate | Depth of Equip. in Fed | Bo Pu | nils dry? At no. of orege Water E | Yescasing volumes | eD ON | |
| Purge Sampling Bottle Type | Method 55 5/6/ 70 Data # of Conta | iners Anal | Pumpir in GPM | ng Rate | Depth of Equip. in Fer 35 | Bo et | nils dry? At no. of orege Water E | Yescasing volumes | eD ON | |
| Purge Sampling Bottle Type | Method 55 5/6/ 7 Data # of Conta | iners Anal | Pumpir in GPM O.06 L(| ng Rate | Depth of Equip. in Fed | Bo Pu | nils dry? At no. of or arge Water E Y Sor≠ 0 Total no | Yescasing volumes | eD ON | |
| Purge Sampling Bottle Type VOA-4 | Method 55 5/6/ Data # of Conta On 1 3 / 1 | iners Anal S GR | Pumpir in GPM D.06 L(yses O/VO('s | ng Rate 1 | Depth of Equip. in Fer 35 | Bo Pu | At no. of a rige Water E | Yescasing volumes Disposal Metho | eD ON | |
| Purge Sampling Bottle Type | Method 55 5/6/ Data # of Conta On 1 3 / 1 | iners Anal 3 GR | Pumpir in GPM D. 0 6 L(yses D / VOC's | ng Rate | Depth of Equip. in Fer 35 35 | Filter | nils dry? At no. of order E Srr≠ 0 Total no Duplica Field B | Yescasing volumes Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho Disposal Metho | eD ON | |
| Purge Sampling Bottle Type VOA-4 500m & AM 250m & CAM | Method 55 5/6/ Data # of Conta Conta Method 1/1 | iners Anal GR | Pumpir in GPM D. 0 6 L(yses D / VOC's O / C P | ing Rate 1 5 6 6 6 6 6 6 6 6 6 | Preserv. HC1 HW3 HW3 | Filter | Total ni Duplica Field B Rinsea | Yescasing volumes Disposal Metho Disposal Met | es 10 | |
| Purge Sampling Bottle Type VOA-4 500m L Ar 250m L Que Tield Equ | Method 55 5/6/ Data # of Conta Conta Method 1/1 | iners Anal 3 GR | Pumpir in GPM D. 0 6 L(yses D / VOC's | ing Rate 1 5 6 6 6 6 6 6 6 6 6 | Preserv. HC1 HW3 | Filter | Total no. Duplica | Yescasing volumes Disposal Methode Sample I.D. lank I.D. te Sample I.D. | es 10 | No _ |
| Purge Sampling Bottle Type VOA-4 500m L Ar 250m L Que Tield Equ | Method 55 5/6/ Data Port Conta | iners Anal 3 GR | Pumpir in GPM D. 0 6 LL yses D / VOC's O / C P PML MEIN DISSOLVED BMCNSIBLE | ng Rate 1 5 6 6 6 6 6 6 6 6 6 | Preserv. HC1 HW3 | Filter 0.45 fun | Total ni Duplica Field B Rinsea | Yes | eo on d/Volume | No _ |

| | 0820 | 1.5 | 7.33 | 17.1 | 0.788 | 2.85 | 33,51 | 58.8 | |
|---|----------------------------|-------------------|----------------------|------------------------|-------------------------|----------------------|---------------------------|----------------------|---|
| ٥ | TIME 828 834 0840 | 2.0 2.5 3.0 | 7.20 7.15 7.12 | Tenp oc 16.9 16.7 16.9 | 0.786 0.785 0.787 | 2.40 2.08 1.98 | TURBIDITY 14.10 8.91 8.13 | 76.5 10.6 -4.0 | CLEAR, SLIGHT PET-DOLEM-LIKE ODOR NS CLEAR, STIBLE PETROLEM-LIKE ODOR, NS DELLEMEN FLOW RATE SLIGHTMY. CLEAR, SLIGHT PETROLEM - LIKE ODOR, NS |



| | | NW of E corr | C. (for new we ner of building cer Megablo | A) | | DAT | E/TIME SAM | 1PLED | 10/31/202 | .0 | | |
|-------|------------|-----------------------------|--|---------------|---------------------|---------------------------------|---------------|-------------|--|------------|-------------|-------------|
| | JOB NO. | 194 | 0904 | _ | | TIDA | LLY INFLUE | ENCED | YES | NO | <u> </u> | |
| | PROJECT | MANAGER | M Dage | el/M Go | odman | WEL | L DEPTH IN | FEET | 4 0 | | ń | _ |
| | FIELD REP | s | BUTT | 6 | | SCR | EENED INT | ERVAL IN F | EET30 | -40 | | _ |
| (1) | Purging | Data/Field | d Measure | ments: | All Measure | ments Relati | ve to Top of | Casing (TO | C) | | | |
| | WELL DEP | TH | 40 | | | CAS | ING VOLUM | IE IN GALLO | ONS | 1.2 | | |
| | | | (DTS) IN FEE | т 4 | 0.20 | | " diam = x .1 | | 4" diam = x .6 | | | _ |
| | | | ΓW) IN FEET | | 32.73 | | GE VOLUMI | - | | _ | | |
| | (DTS – DTV | | 7. | 17 | <u> </u> | ACT | UAL PURGE | | | 3.6 4.0 | | _ |
| | · | | | | (RL | | (BL) | 34,76 | | | | |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in uslan | Diss. Oxygen in | Turbidity | ORP/ | Comments: | | ecovery, co | |
| AL | 0936 | 0.1 | 7.49 | 14.9 | 2.590 | 93.852 | 15.8 | 1964-7 | INTHANY SLIBI | T BLOWN | NABIO ITY | , NO, NS |
| | 1034 | 1.0 | 8.53 | 17.7 | 0.503 | 8.25 | 19.00 | 43.6 | CLEAR, NO | - | | |
| | 1055 | 2.0 | 8.45 | 17.6 | 0.501 | 7.39 | 14.48 | -5.9 | CLEAR, NO, | | | |
| | 1117 | 3.0 | 7.94 | 17.5 | 0.480 | 6.38 | 14.10 | -38.5 | CLEAR, NO, | ۷5 | | |
| mple: | 1138 | 4.0 | 7.48 | 17.6 | 0.455 | 4.91 | 6.99 | -60.0 | " / ") | N | | |
| | अहं १६०. | Method 55 5 | бив | | ng Rate D | Dro. Percepth of Equip. in Feet | Во | ils dry? | Yes | -0.7 | No | X |
| | Purge | 1/1 | | 10, | | 35 | Pu | • | isposal Metho | | | |
| Į | Sample | | | " | | 11 | | an site | orun/ 4.0 |) | | |
| 2 | Bottle Typ | # of Conta | | ses PAHs | | Preserv. | Filter | Duplica | umber of Bottle te Sample I.D. ank I.D. | | 1 | |
| (3) | Field Equ | uipment | | 508 | 1 pe | 7 | | Rinseat | ank I.D. e Sample I.D. lo./Materia Y SI | | | Princeporin |



| | PROJECT | | e <i>r of building</i> er Megablo | | | DATE | E/TIME SAM | IPLED ! | 130/20 | 1410 | | |
|---------|---------------------------------------|--|--------------------------------------|--|------------------|---------------------------|--|---|-------------------|-------------|----------|----------|
| | JOB NO. | 1940 | 0904 | | | TIDAI | LLY INFLUE | ENCÉD ' | YES | NO | K | _ |
| | PROJECT N | MANAGER | M Dag | el/M Goo | dman | WELL | DEPTH IN | FEET _ | 40 | | | |
| | FIELD REPS | s b | 475 | | | SCRE | ENED INTI | ERVAL IN F | ET 30 | -40 | | _ |
| (1) | Purging I | Data/Field | I Measure | ments: / | All Measuren | | | | | | | |
| | WELL DEPT | ГН | 10 | | | CASI | NG VOLUM | E IN GALLO | ns | 2_ | | _ |
| | DEPTH TO | SEDIMENT (| (DTS) IN FEE | | 10 | [2" | ' diam = x .1 | 63 gal/ft | 4" diam = x .65 | | | |
| | DEPTH TO | WATER (DT | W) IN FEET | _ 32 | 1.96 Br | C PURC | SE VOLUME | E IN GALLOI | NS <u>3.</u> | 6 | | - 10 |
| | (DTS – DTV | V) | 7.14 | | | | JAL PURGE | IN GALLON | ıs <u> </u> | 3.75 | | _ |
| | Time | No. of Gallons Purged | рН | Temp in °C | Conduct in 16 CM | Diss. Oxygen in //o | 30 NTV Turbidity | ORP, | Comments: | quality, re | • • | |
| TAL | 1248 | 0.6 | 40 7.41 | 16,7 | 733 | 80.7 | 149.0 | 31.5 | SCIENTLY 644 | TURBIA, N | 9, 100 1 | NITIALLY |
| | 1314 | 1.0 | 6.95 | 17.2 | 740 | 60.1 | 20.44 | -10.3 | CLEAR, NO, | N 5 | | |
| | 1333 | 2.0 | 6.91 | 17.0 | 734 | 45,9 | 7,36 | -28.2 | " , ", | n | | |
| | 1355 | 3, D | 6,98 | 17.8 | 742 | 40.6 | 7, 20 | -43.4 | ", ", | II. | | |
| sample: | 1410 | 3.75 | 6.98 | 177 | 779 | 211 | 8.14 | -51.7 | | | | |
| ampie. | Comments | s: 451 0 mry | SHOWED 1 | | | 34.6 | | | PUITZ STAGE | | 3 casu | ∿6 VOL |
| sample. | Comments | 00 KUAN | SHOWED 1 | که ۱۵۰ کام کی می کام کام کام کام کام کام کام کام کام کام | NOT (mg/L) | epth of | 1410 D | o por | PUITE STAGE | e AT | 3 cas 11 | |
| sample. | Comments 5AMPLIN | S: 451 PALY | SHOWERD I | 00 AS 96, | MAN. |). | 1410 D | o por Dils dry? At no. of o | Yes | e at | | |
| sample. | Comments | 00 KUAN | SHONGO I | Pumpin in GPM | MAN. | epth of quip. in Feet | 1410 D | o Not bils dry? At no. of curge Water D | Yes | e AT | No _ | |
| 2 | Comments SAMPLIN | S: 451 סאנין אראין עי Method SS S ש SS S ש SS S S ש SS S ש | SHONGO I | Pumpin in GPM | MAN. | epth of quip. in Feet | 1410 D | o Not bils dry? At no. of curge Water D | Yescasing volumes | d/Volume | No _ | |
| 2 | Comments SAMPLIM Purge Sample | S: 451 PMLY Method SS S S S S S S S S S S S S S S S S S | SHOWED I | Pumpin in GPM | MAN. | epth of quip. in Feet | 1410 D | o Not bils dry? At no. of curge Water D | Yes | d/Volume | No _ | |
| 2 | Purge Sample | S: אלן מארץ ע Method \$\$ \$א\$ \$\$ \$5 g Data # of Contai | SHOWERD A | Pumpin in GPM | MAN. | epth of quip. in Feet | 1410 D | o Not Dils dry? At no. of curge Water D | Yes | d/Volume | No _ | |
| 2 | Purge Sampling Bottle Typ | S: אלן מארץ ע Method \$\$ \$א\$ \$\$ \$5 g Data # of Contai | SHOWERD A | Pumpin in GPM 0-05 | MAN. | epth of quip. in Feet | 1410 D | o Not oils dry? At no. of c urge Water D Ar | Yescasing volumes | d/Volume | No _ | |
| 2 | Purge Sampling Bottle Typ | S: אלן מארץ ע Method \$\$ \$א\$ \$\$ \$5 g Data # of Contai | SHOWERD A | Pumpin in GPM 0-05 | MAN. | epth of quip. in Feet | 1410 D | o Not Dills dry? At no. of curge Water D MAI | Yes | d/Volume | No _ | |
| (2) | Purge Sampling Bottle Typ 0.5 L amb | Method SS SUB SS SUB GData # of Container 1 | SHOWERD A | Pumpin in GPM 0-05 | MAN. | Preserv. | PL Filter | Duplica Field B | Yes | d/Volume | No _ | |
| 2 | Purge Sampling Bottle Typ 0.5 L amb | Method SS SUB SS SUB SS SUB SS SUB Method SS SUB SS SUB SS SUB Method SS SUB | B iners Analy | Pumpin in GPM 0-05 U | NOT (mg/L) | Preserv. | Pu Filter | o Nor bils dry? At no. of curge Water D Total nu Duplica Field Bi Rinsea | Yes | d/Volume | No _ | × |
| 2 | Purge Sampling Bottle Typ 0.5 L amb | Method SS SUB SS SUB SS SUB Method SS SUB SS SUB Method SS SUB Method SS SUB Method Me | B iners Analy | Pumpin in GPM 0-05 | MAN. | Preserv. | Filter Figure 6 Filter Figure 6 Filter Filter Filter Filter Filter Filter | Duplica Field Bi Rinsea | Yes | Le AT | No _ | × |
| (2) | Purge Sampling Bottle Typ 0.5 L amb | Method SS SUB SS SUB SS SUB Method SS SUB SS SUB Method SS SUB Method SS SUB Method Me | B iners Analy | Pumpin in GPM 0-05 U | NOT (mg/L) | Preserv. | Pu Filter | Duplica Field Bi Rinsea | Yes | d/Volume | No _ | × |



| | WELL LOCA | | | | bu 5 | ot Bo | SW | | | | | |
|--------|---------------------|-------------------|----------------|---------------|----------------|---|-------------------------|----------------|------------------|----------------|--|----------|
| | (e.g., 20' NV | V of E corn | er of building | g A) | 0 | | l. | | 11111111 | 111 | سرد | |
| | PROJECT | PLP | 1600 U | | | | TIME SA | - | 11/10/30 | 11. | <u> 15</u> | |
| | JOB NO. PROJECT M. | ANAGER | NA V | recept | | | LY INFLU | IN FEET | YES | NO | <u>X.</u> | |
| | FIELD REPS | the See | 72°C | 7 | Dom/ F | - A | | TERVAL IN FE | | -49.9 | ζτ | |
| 1 | | | d Measure | ements: / | All Measurer | | | of Casing (TOC | | | <u> </u> | |
| | WELL DEPTI | H -15 | D | | | CASI | NG VOLU | ME IN GALLO | NS | | \$. | |
| | DEPTH TO S | SEDIMENT | (DTS) IN FE | ET 151 |) | [5, | diam = x | .163 gal/ft | 4" diam = x .653 | gal/ft] | | |
| | DEPTH TO V | VATER (D1 | W) IN FEET | _26 | .68 | @1057UR | GE VOLUI | ME IN GALLO | vs | - Lynn | | |
| | (DTS - DTW |) | | | | ACTU | JAL PURC | SE IN GALLON | 1s 11.5 | | | |
| | | No. of | | 1 | | Diss. | | | | | | ٦ |
| V | Time | Gallons Purged | Hq | Temp in °C | Conduct in 454 | Oxygen in Mg/L | Turbidit | V in WV | Comments: q | | ry, color, odor, ulated silt/sand | |
| 91 | 1115 | 40.5 | 4.14 | 15.9 | 652 | 0.41 | | -124.2 | . 1 11 | stian u- | 1 8 4 | בר בר |
| 14 | 1116 | 10:5 | 7.13 | 16.0 | 659 | 0.43 | | -132.0 | cleaves, | 105 | , | |
| 17 | 1131 | 10,75 | 7.12 | 16.1 | 663 | 0,38 | 10.0 | -135,56 | + | tr clea | er, 195 | |
| 99 | 1124 | -A | 7.12 | 16.1 | 665 | 0.35 | | -139.6 | L | t. | 6 | |
| Anble: | 1127 | ~15 | 7.12 | 16.1 | 665 | 0.30 | | -143,3 | clear | NS | | |
| | Comments | : | 1130: | PES. | samp | ling | tim | e | | | | |
| | | | 1145: | HC | Sem | Pling | 47 | ne;- | turbidi | ty 3 | 14 | _ |
| | | | | Pumpir | n Rate D | epth of | 7 | Boils dry? | Yes | | lo. | ٥ |
| | | Method | | in GPIV | 1 E | quip. in Feet | | • | asing volumes _ | | lo | |
| | Purge | 45 da | dest | 900WJ | -min | -34,81 | | | isposal Method/\ | | | |
| | Sample | | l (| 1. | 1 | <u>[, </u> | | tote | an 51 | te (| PES) | |
| (2) |) Sampling | Data Data | | | | | - | | | | <u> </u> | <u>:</u> |
| | | # of | | | | 1 | 1 | Total nu | umber of Bottles | 7 | | |
| | Bottle Type | | | llyses | | Preserv. | Filter | _ | | | | |
| | ambas | - 1 | _ | | | | | Duplica | ite Sample I.D. | | Part of the service o | |
| | | | | | | | | | lank I.D. | - | No. | |
| | | | | | | | | Rinsea | te Sample I.D. | | | |
| (3) | Field Equ | iipment | | | | | | and/Serial I | No./Material (| Units | | |
| | Pump Type | e/Tubing T | ype 45 | bladder | HICTO F | NOR DOCT | (<i>C5)</i> emp/pH/ | E.C. meter | YSI | Prot | and 200 F | pight > |
| | Bailer Type | | | | | | Vater Lev | el Probe | Solin | 5 [†] | | met. |
| | Filter Type | | | | | c | Other _ | | | | | |
| 4 | Well Con | ditions | | ок 🏹 | Not OK | Explain | | | | | | - |
| | | | | | | | | | | | | |



| | W of E come | er of building . | A) | | | | | 111111111 | 20 INIS | |
|--|---|------------------|-------------------|----------------|--------------------------|--|-------------------------------------|--|--------------------------|---|
| ROJECT | TVPVE | 2 | ~/ } | | DATE | TIME SAM | PLED _ | 11/10/30 | 20 1015 | |
| OB NO. | 1940 | 2904-1 | 07 | | TIDAI | LY INFLUE | NCED \ | ES X | NO | |
| ROJECT M | MANAGER | M. Doe | ge1 | - 48 | WELI | DEPTH IN | FEET _ | 80 | | |
| IELD REPS | 2 12.1 | 107 les | - 4 B | en (P | 55 SCRE | ENED INTE | ERVAL IN FE | ET <u>70-</u> | 80 | |
| Puraina L | Data/Field | Measure | ments: A | li Measurei | - ments Relativ | re to Top of | Casing (TOC | 1 | | |
| | | | | | | | -uug (1.00 | , | | |
| VELL DEPT | гн <u>~ 40</u> |),4 | | 427- | CASI | NG VOLU M | E IN GALLO | NS | | |
| EPTH TO | SEDIMENT (| DTS) IN FEE | T 70 |) | [5, | ' diam = x .1 | 63 gal/ft | 4" diam = x .653 | gal/ft] | |
| EPTH TO | WATER (DT) | W) IN FEET | 24: | <u>:63'</u> | PURC | SE VOLUME | E IN GALLON | IS | | |
| DTS – DTW | V) | | | | ACTU | JAL PURGE | IN GALLON | s ~1 a | α | |
| | No. of | | | - | Diss. | | <u> </u> | | | |
| Time - | Gallons | m11 | Temp | Conduct | Oxygen | T | ORP | | uality, recovery, color, | |
| Time 7444 | Purged | pH | in °C | 170 | 1000 | Turbidity | in <u>M()</u> -(04.9 | A. 11 alex | heen, accumulated sil | _ |
| , , , | N | 7.17 | 1717 | 77 | 8,43 | | | Intially T | orbid brown, No | <i>)</i> |
| 3849 | | 7.16 | 13.6 | 70) | 1.61 | | -124.5 | TUTOIS | 163 | |
| 354 | 17.6 | +,16 | 13.6 | +70 | 1,04 | | -1306 | | - | |
| 1659 | 10.5 | +,16 | 15.5 | 790 | 0.49 | | -133.9 | 1. | 11 | |
| 0910 | N | 7.15 | 13.4 | 7799 | 10.96 | 643 | -130.5 | turad, | brown | |
| Comments | s:. * | Lee T | rever | re | FOF | 15W7 | cet 1 | notes | | |
| ZUMP 5 | topped | WOOT | nella | x+ 40 | 21- | 3 0, 1, | 4 | | * | |
| | _ | | J , , | | | | | | ~ | |
| | | | Pumping in GPM | - | epth of quip. in Feet | | oils dry? | Yes | NoX | |
| | Method | | | | 420 | | At no. of c | asing volumes _. | | _ |
| Purge | Method | ther | 50 mL | MIN | 40 TO | | | | | A. |
| Purge | Method Solve | lder | 50 mL | ' · · | 49 TO | Pu | irge Water D | isposal Method/ | Volume | </td |
| Purge Sample | 55 black | de | | ' · · | N TO | Pu | rge Water D | isposal Method/ | volume (HE. | <u>2) </u> |
| Sample | 55 blad | de | | ' · · | N 43 | Pt - | irge Water D | isposal Method/ | Volume (HE | <u> </u> |
| | S black | ber | | ' · · | N TO | Pt | tote | on s | Volume (TE | <u>5)</u> |
| Sample Sampling | S black | | 11 | ' · · | | | tote | isposal Method/ | THE TE | <u>-</u> |
| Sample | g Data e # of Contai | | 11 | ' · · | Preserv. | Filter | Total nu | mber of Bottles | THE TE | <u></u> |
| Sample Sampling Bottle Type | S black | | 11 | ' · · | | | Total nu Duplica | imber of Bottles | T- | <u>5)</u> |
| Sampling Bottle Type VOA | g Data e # of Contai | | 11 | ' · · | | | Total nu Duplica Field Bli | imber of Bottles te Sample I.D. | THE TE | <u>5)</u> |
| Sampling Bottle Type VOA | g Data e # of Contai | | 11 | ' · · | | | Total nu Duplica Field Bli | imber of Bottles | THE TE | <u>5)</u> |
| Sampling Bottle Type VOA | g Data # of Contai | | 11 | ' · · | Preserv. | Filter | Total nu Duplica Field Bli Rinseat | imber of Bottles te Sample I.D. ank I.D. e Sample I.D. | 7- | <u>5)</u> |
| Sampling Bottle Type VOA AMJOET | g Data e # of Contai G uipment | ners Analy | rses | | Preserv. | Filter | Total nu Duplica Field Bli Rinseat | imber of Bottles te Sample I.D. ank I.D. e Sample I.D. | J- Units | <u>5)</u> |
| Sampling Bottle Type VOA AMJOET | g Data # of Contai | ners Analy | rses | | Preserv. | Filter | Total nu Duplica Field Bli Rinseat | imber of Bottles te Sample I.D. ank I.D. e Sample I.D. | 7- | 5) - - - - - |
| Sampling Bottle Type VOA AMJOET | g Data e # of Contai G Li uipment e/Tubing Ty | ners Analy | rses | | Preserv. | Filter Filter | Total nu Duplicat Field Bli Rinseat | imber of Bottles te Sample I.D. ank I.D. e Sample I.D. | J- Units | 5) |
| Sampling Bottle Typ VOA A Maex Field Equ | g Data e # of Contain cuipment e/Tubing Tyee | ners Analy | rses | | Preserv. | Filter Filter Filter Filter Filter Filter | Total nu Duplicat Field Bli Rinseat | imber of Bottles te Sample I.D. ank I.D. e Sample I.D. | J- Units | 5 <u>)</u> |

| DIM | Time | No. | PH | Temp | Cond. 1 | DO MILL | TUPO | ORP 1 | Comments |
|-------|-------|------|------|-------|---------|---------|--------|---------|------------|
| 31.30 | 29135 | 20.5 | 7.16 | 13.7 | 7-87 | 0.70 | 576 | 10.27 | |
| 31.57 | 0920 | L(| 7.16 | 13.7 | 7-90 | 0.64 | 442 | -137.3 | |
| 31.74 | 0425 | 11 | 7.16 | 13.6 | 793 | 0.61 | 370 | -139.3 | turbid, NS |
| 31.95 | 0931 | tv | 7.16 | Bit | 7-89 | 0.56 | 317311 | -141.21 | turbid, NS |
| | 0936 | U | 7.6 | 13.5 | 7-89 | 0.54 | 194 | -141.7 | turbid, NS |
| 32.21 | 0941 | 21.0 | 7.16 | 13,4 | 790 | 0.54 | 132 | | turbis, UD |
| 32,37 | 0946 | Lί | 7.16 | 13.48 | 790 | 0.52 | | -144.0 | vi li |
| | 1003 | | | | | | 41.3 | | - |
| | 1015 | 4.00 | BD | | | | 124.4 | | 1 |

#0950 - PES to Start Sampling. They need turbidity to be only 100 NTU, so he'll fill his containers first, then the turbidity will be lower when I sample cetter PES.

1015 - Sample from



HARTCROWSER Groundwater Sampling Data - Well I.D. MBB-I

| | | | g A) | 1.0 | *. <u>\$</u> | | | | 1 111 | |
|---|--|-------------|---------------------------------------|------------------|----------------------|---------------------------|--|--|-----------|---------------------------------------|
| PROJECT | | r Megablo | ock | | | E/TIME SAM | 10000 | 5/3/10 | 14 | 00 |
| JOB NO. | 19409 | | | (4) | | LLY INFLUE | 7.5 | YES ' | NO | X |
| | MANAGER | M. Dage | 1 | | | L DEPTH IN | _ | 40 | | |
| FIELD REP | 'S <u>J. Bla</u> | nchette | | | SCR | EENED INT | ERVAL IN F | EET | | |
| Purging | Data/Field | d Measure | ements: | All Measu | rements Relati | ve to Top of | Casing (TO | C) | | |
| WELL DEP | тн <u>40</u> | | | 3 | CAS | ING VOLUM | E IN GALLC | NS _ 1.6 | 9 | |
| DEPTH TO | SEDIMENT | (DTS) IN FE | ET 40.0 | 0 (3 | .22) [2 | " diam = x .1 | 63 gal/ft | 4" diam = x .0 | |] - |
| DEPTHITO | | rw) in feet | 78 | .49 | 17.62 PUR | GE VOLUME | E IN GALLOI | | 6 | · · · · · · · · · · · · · · · · · · · |
| (DTS – DTV | w) <u> [[,</u> | (e | | | ACT | UAL PURGE | IN GALLON | is 3, | 5 | |
| | No. of | | | | Diss. | 1 | | | | |
| Time | Gallons Purged | Hq | Temp in °C | Conduction Files | | Turbidity | ORP in | Comments: | | recovery, coloaccumulated |
| 1310 | 1. | 7.63 | 16.5 | 511 | 2.01 | 13.45 | -261.3 | initially | | - |
| 1374 | 2.15 | 7.49 | 14.3 | 513 | 1,51 | 10.62 | -2846 | f ha landa | | ar o goar |
| 1390 | 3.5 | 7.44 | 17.10 | 503 | 1.65 | 9.86 | -164 | | | |
| | 0.0 | 8. (| | 700 | 1100 | 1.00 | (04 | | | |
| | | | | | | | | | | |
| | | i i | | 1 | 1 | | ! | | | |
| | | | | | , | | 1 | | | |
| Comments | s: | | | | | | | | 9 | |
| Comments | s: | | | | | | | | 9 | |
| Comments | | | Pumpin | | Depth of | | ils dry? | Yes 🔨 | 74 | No |
| | Method | | Pumpin in GPM | | Equip. in Feet | | - | Yes X | s | No ねいら |
| Purge | | Ump | | | | Pu | At no. of c | | | to 1.5 |
| | Method | ump | | | Equip. in Feet | Pu | At no. of c | asing volumes | | to 1.5 |
| Purge Sample | Method Postic | ump | | | Equip. in Feet | Pu | At no. of c | asing volumes | | to 1.5 |
| Purge | Method Postic | amp | | | Equip. in Feet | Pu | At no. of c | asing volumes | | ₩ 1.5 |
| Purge Sample | Method Plastic plastic g Data # of | quing | in GPM | | Equip. in Feet | Pu | At no. of c rge Water D M d'Mei | asing volumes | od/Volume | to 1.5 |
| Purge Sample | Method Postic plastic g Data # of | iners Anal | in GPM | 17 | Equip. in Feet | Pu | At no. of c rge Water D A d'inler Total nu | asing volumes isposal Metho | es | ₩ 1.5 |
| Purge Sample Sampling Bottle Type | Method POSTIC | iners Anal | in GPM | BTEX | Equip. in Feet | Pu | At no. of c rge Water D M Miller Total nu Duplicat | asing volumes isposal Metho mber of Bottle | es | ₩ 1.5 |
| Purge Sample Sampling Bottle Type VDA Amber | Method PUSHIC PUSHIC POSHIC iners Analy | yses G: VICs | BTEX | Preserv. HCI | Filter N Y | At no. of corge Water D Total nu Duplicat | asing volumes isposal Metho | es | ₩ 1.5 |
| Purge Sample Sampling Bottle Type VDA | Method PUSHIC PUSHIC POSHIC iners Analy | yses (2:,VICs, | BTEX | Preserv. | Filter N | At no. of corge Water D Total nu Duplicat | asing volumes isposal Metho mber of Bottle | es | ₩ 1.5 |
| Purge Sample Sampling Bottle Type VDA Amber | Method POSTIC PUSTIC POTENTIAL | iners Analy | yses G: VICs | BTEX | Preserv. HCI NO3 NO3 | Filter N Y | At no. of conge Water Divided Total nu Duplicate Field Big | asing volumes isposal Metho | es | ₩ 1.5 |
| Purge Sampling Bottle Type VD A Amber Poly Poly | Method PUSHIC PUSHIC POSHIC iners Analy | in GPM yses G: VICs H + TPH Mtals | BTEX | Preserv. HCI NO3 NO3 | Filter N N V V ppe/Brane | Total nu Duplicat Field Bla Rinseate | asing volumes isposal Methomber of Bottle e Sample I.D. ank I.D. e Sample I.D. | es | ₩ 1.5 |
| Purge Sampling Bottle Type VD A Comber Poly Field Equ | Method POSTIC PUSTIC POSTIC PUSTIC POSTIC OSTIC POSTIC POSTIC POSTIC POSTIC POSTIC POSTIC POSTIC | iners Analy | in GPM yses G: VICs H + TPH Mtals | BTEX | Preserv. HCI NO3 NO3 | Filter N N Y N Type/Brand | At no. of corge Water Down Total number of the Black Rinseate of the Comment of t | asing volumes isposal Methomber of Bottle e Sample I.D. ank I.D. e Sample I.D. | es | ₩ 1.5 |
| Purge Sampling Bottle Type VD A Amber Poly Poly | Method POSTIC PUSTIC PUSTIC PUSTIC PUSTIC PUSTIC PUSTIC PUSTIC PUSTIC PUSTIN | iners Analy | in GPM yses G: VICs H + TPH Mtals | BTEX | Preserv. HCI NO3 ND3 | Filter N N V V ppe/Brane | At no. of corge Water Down Total number of the Black Rinseate of the Comment of t | asing volumes isposal Methomber of Bottle e Sample I.D. ank I.D. e Sample I.D. | es | ₩ 1.5 |

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| | (e.g., 20' N | 'W of E con | ner of building | (A) | | | | | | | |
|--------|--|--|-------------------------------------|---|---|-----------------------------|------------------------------|--|--|-------------------|---------------------------------|
| | PROJECT | | er Megablo | • | | DATE | E/TIME SAM | IPLED | 313/20/ | 1700 | |
| | JOB NO. | 19409 | 04 | | | TIDA | LLY INFLUE | | - | NO | X |
| | PROJECT M | MANAGER | M. Dagel | | | WEL | L DEPTH IN | FEET | 40 | | |
| | FIELD REPS | S <u>J. Bla</u> | nchette | | | SCRI | ENED INTE | ERVAL IN F | EET | | |
| 1 | Purging L | Data/Fiel | d Measure | ments: / | All Measurer | ments Relativ | e to Top of 0 | Casing (TO |)C) | | |
| | WELL DEPT | н | 0 | | | CASI | NG VOLUM | E IN GALL | ons 1.93 | | |
| 100 | DEPTH TO | SEDIMENT | (DTS) IN FE | ET <u>40</u> | ,56 13 | 9,94) [2 | ' diam = x .1 | 63 gal/ft | 4" diam = x .653 g | al/ft] | |
| W) [| DEPTH TO | WATER (D | TW) IN FEET | <u> 28</u> | .73 (2) | <u>8 111)</u> PURC | GE VOLUME | IN GALLO | DNS 5.78 | | |
| 2 | (DTS – DTW | /) | 11.87 | 3 | | ACTU | JAL PURGE | IN GALLO | ns 2 | | |
| | 1521 A | No. of Gallons Purged | рН | Temp in °C | Conduct | Diss. Oxygen in gypv- | Turbidity | ORP in | Comments: qua | - | ry, color, od ulated silt/sa |
| | 1534 | 0.4 | 7.41 | 15.5 | 632 | 0.86 | 26.31 | -300 | initial=v.cuar | | |
| | 1559 | 1 | 7.39 | 15.7 | 633 | 0.60 | 28.76 | _ | | , _p (- | 0 (000) |
| | 1625 | 1.5 | 7.37 | 10.0 | 1028 | 0.77 | 19-9 | -304 | | | |
| _ | 1451 | 2 | 7.34 | 15.6 | 1022 | 0.73 | 12.71 | -330 | | | |
| | | | | 6 | | | | 1 2.74 | 1 | | |
| ample: | Comments | | | | | | | Ī | philosophie in Lie | <i>(</i>). | |
| ample: | | : | | O DOC | when po | achagina epth of | 1 hollus | , 시아 | otice alde in bic | N | o _X |
| ample: | Comments | Method | slight | Pumpin in GPM | when position of the position | epth of quip. In Feet | 1 hollus Boi | , Not Not state of the state of | Yescasing volumes | _ N | o <u>×</u> |
| ample: | Comments | : | slight | Pumpin in GPM | when position of the position | achagina epth of | 1 holdus Boi | , Not Notice of At no. of Green Water I | Yescasing volumes | N | o <u>×</u> |
| | Comments Purge Sample | Method | slight | Pumpin in GPM | when positive g Rate Die | epth of quip. in Feet | 1 holdus Boi | , Not Notice of At no. of Green Water I | Yescasing volumes | N | o <u>×</u> |
| | Comments | Method OUSTIC | slight | Pumpin in GPM | when positive g Rate Die | epth of quip. in Feet | 1 holdus Boi | ils dry? At no. of orge Water I | Yescasing volumes | N | o <u>×</u> |
| | Purge Sample Sampling | Method OUSTICE Data # of Conta | Slight MMP iners Analy | Pumpin in GPM | g Rate Di | epth of quip. in Feet | Boil Pui | ils dry? At no. of a rge Water I a A A & & & & & & & & & & & & & & & & & | Yescasing volumes Disposal Method/Vol | N | o <u>×</u> |
| | Purge Sample Sampling Bottle Type \[\lambda \frac{1}{2} \frac\ | Method OSic o Data # of Conta | Slight MMP iners Analy Care PP | Pumpin in GPM 9.04 | g Rate Di | epth of quip. in Feet 32 N | Boi Pui | ils dry? At no. of a ge Water I | Yes | N | o <u>×</u> |
| | Purge Sampling Bottle Type | Method OUSTICE Data # of Conta | Slight Slight Analy Gat Pr | Pumpin in GPM 0.04 7ses 7 VOC +1 | g Rate Di | epth of quip. in Feet 33 M | Boi Pui | ils dry? At no. of rge Water I Total n Duplica Field B | Yescasing volumes Disposal Method/Vol | N | o <u>×</u> |
| 2 | Purge Sampling Bottle Type 10ft Opposed 10ft | Method OUSTIC O | Slight Slight Analy Gat Pr | Pumpin in GPM 9.04 | g Rate Di | epth of quip. in Feet 33 N | Boil Pui | ils dry? At no. of rige Water I no. And the Duplica Field B | Yes | Nume | o <u>×</u> |
| (2) | Purge Sampling Bottle Type | Method OUSTIC O | Slight Slight Analy Gat Pr | Pumpin in GPM 0.04 7ses 7 VOC +1 | g Rate Di | epth of quip. in Feet 33 N | Boil Pui | ils dry? At no. of rige Water I no. And the Duplica Field B | Yes | Nume | o <u>×</u> |
| 3 | Purge Sampling Bottle Type Note Note Note Note Peld Equ Pump Type | Method Data # of Conta | Slight MMP iners Analy Car P | Pumpin in GPM 0.04 7ses 7 VOC +1 | g Rate Die | Preserv. | Filter Filter y ype/Brance | ils dry? At no. of a ge Water I was A in the Second I was a second | Yes | lume 8 | o <u>×</u> |
| (3) | Purge Sampling Bottle Type 10 F | Method OCAL Data # of Conta ipment | Slight MMP iners Analy Car P | Pumpin in GPM 0.04 Sees VOC +1 ALA IS ALA IS | g Rate Die | Preserv. | Boi Pur i | ils dry? At no. of a ge Water I was A in the Second I was a second | Yes | lume 8 | o _X |



| PROJECT | Merce | er Megablo | ock | | DAT | E/TIME SAN | MPLED | 3/4/20/1330 | | |
|---|----------------------------------|-------------|--|-------------|---------------------------------------|---------------------------------|---|--|--|--|
| JOB NO. | 19409 | 04 | | | TIDA | LLY INFLUE | ENCED | YES NOX | | |
| PROJECT | MANAGER | M. Dage | el | | | L DEPTH IN | | 40 | | |
| FIELD REP | S J. Bla | nchette | | | SCR | EENED INT | ERVAL IN F | FEET 32-37 | | |
| Purging | Data/Fiel | d Measur | ements: | All Measure | ments Relati | ve to Top of | Casing (TO | nc) | | |
| WELL DEP | тн 40 | 1 | | | CAS | ING VOLUM | ME IN CALL | ONS 1 79 | | |
| | | (DTS) IN FE | FT 4 | 0151 | | " diam = x .1 | | 4" diam = x .653 gal/ft] | | |
| | | TW) IN FEET | | e191 | | GE VOLUMI | -51 | | | |
| | v) (O | ~ ^ | | 6.1 | | JAL PURGE | | | | |
| 2,5,000 | | | | T | Diss. | | Y Y | | | |
| Time | 119 0 7.94 12.6 673 | | | | | く25v ^{TU} Turbidity | ORP in <u>mV</u> | Comments: quality, recovery, color, odor, sheen, accumulated silt/sanc | | |
| 0919 | Gallons Temp in °C 10 7.94 12.6 | | | | 219 | 58.20 | -343 | inihally clear | | |
| 0947 | 19 0 7.94 12.6 | | | 6.76 | 0.86 | 637 | -385 | | | |
| 1022 | 1 | 7.73 | 10.6 | 673 | 0.77 | 4723 | -336 | | | |
| 1050 | 1.5 | 7.68 | 10.7 | 667 | 0.75 | 36.99 | -367 | | | |
| 1124 | 2 | 7.86 | 13.6 | 670 | 0.50 | 53.60 | -337 | slight 6dot | | |
| 1230 Comments | 2.5 | 7.83 | 13.9 | 657 | 0.47 | 22,48 | -379 | \mathcal{J} | | |
| Comments | | | | | | | | U | | |
| 1 | | Contin | 110 0 000 | L-Dek | 1 | | | | | |
| - | (| contin | | |) | 7 6. | :: O | Ver No. V | | |
| | Method | Contia | Pumpin in GPM | g Rate D | epth of quip. in Feet | Во | ils dry? | Yes No _K | | |
| Purge | Method plastic | | Pumpin | g Rate D | | | At no. of o | casing volumes | | |
| | | | Pumpin | g Rate D | quip. in Feet | – Pu | At no. of o | | | |
| Purge | | | Pumpin | g Rate D | quip. in Feet 35 | – Pu | At no. of o | casing volumes Disposal Method/Volume | | |
| Purge | plastic | | Pumpin | g Rate D | quip. in Feet 35 | – Pu | At no. of o | Disposal Method/Volume | | |
| Purge Sample | plastic | | Pumpin | g Rate D | quip. in Feet 35 | – Pu | At no. of corge Water D | casing volumes Disposal Method/Volume | | |
| Purge Sample Sampling Bottle Type | Data # of Contain | pl/ mp | Pumpin in GPM | g Rate D | quip. in Feet 35 35 Preserv. | Pul | At no. of corge Water D | Disposal Method/Volume | | |
| Purge Sample Sampling Bottle Type | Data # of Contai | pl/ mp | Pumpin in GPM | g Rate DE | quip. in Feet 35 35 | Pui _îv | At no. of orge Water D | Disposal Method/Volume | | |
| Purge Sample Sampling Bottle Type \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) \(\frac{1}{2}\) | Data # of Contain | pl/ mp | Pumpin in GPM | g Rate DE | quip. in Feet 35 35 Preserv. | Pul îw | At no. of orge Water D | Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume | | |
| Purge Sample Sampling Bottle Type | Data # of Contai | pix mp | Pumpin in GPM | g Rate DE | quip. in Feet 35 35 Preserv. | Pul | At no. of orge Water D Total nu Duplica Field Bl | Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume Disposal Method/Volume | | |
| Purge Sample Sampling Bottle Type VOA (Mode) poly | Plostic Data # of Contai 4 2 | pix mp | Pumpin in GPM yses + RTE D + 1 WHAIS | g Rate DE | Preserv. HCI HH02 | Filter | Total nu Duplica Field Bi | umber of Bottles Ste Sample I.D. Le Sample I.D. Le Sample I.D. | | |
| Purge Sample Sampling Bottle Type VOA Moec | Plostic Data # of Contai 4 2 | pix mp | Pumpin in GPM yses + RTE D + 1 WHAIS | g Rate DE | Preserv. HCI HH02 | Filter | Total nu Duplica Field Bi | umber of Bottles | | |
| Purge Sampling Bottle Type A A A A Poly Poly Field Equ | Plostic Data # of Contai 4 2 | ners Anal | Pumpin in GPM yses + RTE D + 1 WHAIS | g Rate DE | Preserv. HCI HH02 HN03 | Filter | Total nu Duplica Field Bl. Rinseat | umber of Bottles Ste Sample I.D. Le Sample I.D. Le Sample I.D. | | |
| Purge Sampling Bottle Type A A A A Poly Poly Field Equ | Data # of Contai 4 2 1 ipment | ners Anal | Pumpin in GPM yses + RTE D + 1 WHAIS | g Rate DE | Preserv. HCI HH02 TO | Filter N N V/pe/Brand | Total nu Duplica Field Bl. Rinseat | umber of Bottles Ste Sample I.D. Le Sample I.D. Le Sample I.D. | | |

| Time | Gallons | PH | Temp(c) | Conduct | DO | Tuibidaly | ORP | |
|-------------------|---------|------|---------|---------|------|-----------|------|---|
| -> 1300 Sample | 3. | 7.82 | 13.8 | 655 | 0.44 | 16.12 | -379 | |
| | | | | | | | | |
| | | | | | | | | 1 |
| | | | | | | | | |

| | | - |
|-----|---|---|
| | | |
| - 4 | | |
| | - | |

| PROJECT | NW of E corr Merce | er Megable | | | DA | TE/TIME SAM | MPLED | 3/5/20/1032 |
|------------------------------------|-----------------------------|--------------------------|----------------|------------------|--------------------------|------------------------------|---------------------------------------|--|
| JOB NO. | 19409 | | | | | ALLY INFLUI | | YES NO V |
| PROJECT | MANAGER | M. Dage | əl | | | LL DEPTH IN | | |
| FIELD REF | S J. Bla | nchette | | | SCF | REENED INT | ERVAL IN I | FEET |
| WELL DEP | TH SEDIMENT WATER (DT | (DTS) IN FE | EET _ 3(0 | 05 (35 | 5.4695) [2 .6369]PUR | SING VOLUM 2" diam = x .1 | IE IN GALL 63 gal/ft E IN GALLO | ONS 1. 27 4" diam = x .653 gal/ft] ONS 3. 30 |
| (013-01) | | [] | | | ACT | UAL PURGE | IN GALLO | NS3 |
| Time | No. of Gallons Purged | рН | Temp in °C | Conduct in Milan | | Turbidity | ORP in MV | Comments: quality, recovery, cold sheen, accumulated |
| 0924 | 0.5 | 7.40 | 16.2 | 641 | 0.90 | 39.83 | -122 | clear |
| 0936 | 1 | 7.09 | 15.5 | 652 | 0.65 | 24.62 | -232 | |
| 0949 | 1.5 | 7.05 | 15.8 | 653 | 0.50 | 19.22 | - Uele | |
| 1005 | 2 | 7.03 | 16.1 | 656 | 0.41 | 18.64 | -294 | |
| 1020 | 2.6 . | 7.06 | 10.1 | 658 | 037 | 13.93 | -279 | |
| | Method | * Possi | Pumping in GPM | g Rate D | epth of quip, in Feet | | ls dry? | Yes No |
| Purge | plastic | avmo | 1/30 | 0.03 | 32' | 1 | | easing volumes |
| Sample | 4. | 1 | 1 | | ti - | | | isposal Method/Volume |
| | Data # of | Als. | SP6 | | Preserv. | Filter | Total nu | mber of Bottles |
|) Sampling Bottle Type | Contain | ers Analy | | | | | | |
| Bottle Type | | ers Analy | BIEX/ | GX | HCI | N | D | 0 115 |
| Bottle Type | Contain | VOC Me | PATEX/ | otal | 4403 | N | | e Sample I.D. |
| Bottle Type VOA POLY | Contain H | VOC Me | PRIEX/ | | | N Y | Field Bla | ank I.D. |
| Bottle Type VOA PDV PDV | Contain H I T | VOC Me | PRIEX/ | otal | HW3 | , , , | Field Bla Rinseate | ank I.D. |
| Bottle Type VOA POLY | Contain H I T | VOC Me | PRIEX/ | otal | HW3 | N | Field Bla Rinseate | ank I.D. |
| Bottle Type VOA PDV PDV | Contain H I T pment | NOC AND INC DAG | PRIEX/ | otal | th.03 th.03 | N V vpe/Brand | Field Bla Rinseate | ank I.D. |
| Bottle Type JOH Poly Field Equi | Contain H I T pment | NOC AND INC DAG | PRIEX/ | otal | HN03 HN03 Ty | N | Field Bla Rinseate //Serial N | ank I.D. |

T

| | (e.g., 20' | NW of E cor | SC. (for new | ng A) | ANDINE | | , | s-rentr | 57. 200 | 1 | | |
|------------|---|--------------------|--------------|---------|---------------|-----------------|---|--|----------------|---------------------|--------------------|--|
| | PROJECT JOB NO. | F10.79F10.17 | er Megablo | ock | _ | | E/TIME SAM | the second second second | 3/5/20 | | ×1 | |
| | | 19409 | | ì | | | LLY INFLU | | YES | NO _ | X | |
| | | | M. Dage | 1 | 7-17.05 | | L DEPTH IN | | 410°C | 771 | | |
| | FIELD REF | | anchette - | +B.1 | 20-51-4 | | | ERVAL IN F | | 3+ | | |
| (1) |) Purging | Data/Fiel | d Measur | ements: | All Measureme | ents Relati | ve to Top of | Casing (TO | C) | | | |
| | WELL DEF | TH 4 | 00.0 | | | CAS | CASING VOLUME IN GALLONS 1,46 | | | | | |
| Cr | | | (DTS) IN FE | ET 40 | 000 (30) | X . | " diam = x .1 | | 4" diam = x . | | | |
| J, 1 | DEPTH TO | WATER (D | TW) IN FEET | 31 | | - 5/ | | E IN GALLO | | 38 | | |
| | (DTS - DT) | w) _ 3 | .95 | | | un | | IN GALLON | | 10 | | |
| | | No. of | | | 1 | | | | - | | | |
| | | Gallons | | Temp | Conduct | Diss. Oxygen | DTU | ORP in <u>H</u> V | Comments: | quality, recov | very, color, odor, | |
| | Time | Purged | pH | in °C | 1 | INPPH | Turbidity | 4-3-3 | . 15 | sheen, accur | nulated silt/sand | |
| | 1225 | 001 | 1,35 | 15.4 | 479,8 | 1.00 | 107.16 | -173,5 | initio | elly de | ou No | |
| | 1230 | 0.5 | 8.53 | 15,5 | 1969,20 | 07.0 | 94,44 | -433,4 | , vi | On | | |
| 6. | 1235 | 1.0 | 4,55 | 15.9 | 467,70 | 7,74 | 62,00 | -435,7 | 11 gr | red@1 | god, tur | |
| recircorge | 1255 | 1.5 | 4.48 | 1601 | 467.4 | 0.88 | 46.11 | -4233 | ι | | 0 | |
| sample: | 1315 | 2.0 | 8.37 | 16.2 | 468-9 | 0.80 | 29.9 | 1-413,3 | turbid | The stor | Ped | |
| w | Comments | . | Ixed | , DOOK | ton . | TAL | dimo | ta I | MOTH | ing of | 1 157 | |
| (~5) | · | | Coco | 1000 | 1011 | 1010 | | 141 | 100 | | 1100 | |
| | | | TOP | sary | she live | 5T 1 | eado | 10 | | | | |
| | | | | Pumpin | | th of | Boi | ls dry? | Yes X | 1 | No | |
| Î | | Method | | in GPM | 4 | p. in Feet | 1 | At no. of ca | sing volumes | _ \ | = no.7 (| |
| | Purge | ss pu | MIP | 0. | | 51 | Pur | ge Water Di | sposal Methor | d/Volume | | |
| 1 | Sample | VI | | L. | \ | V | 1 | TUNS | 00 | 5)TR | | |
| | | | | | | | 1 | | | | | |
| (2) | Sampling | Data | | | | | _ | | | | | |
| T | a Aug al Ca | # of | | | | | | Total nur | nber of Bottle | s 7 | | |
| | Bottle Type | Contain | ners Analy | ses | F | reserv. | Filter | | | | | |
| | | 7 | 1 | | | YHU | 12 | Duplicate | Sample I.D. | | | |
| | | | | | | | | | | - | | |
| | 0014 | - CL | Ť | | | _ | 2 | Field Bla | nk I.D. | | | |
| | poly | - 4 | ř . | | | 1003 | 2 | Field Bla | | | | |
| | amper | - 1 | Ĭ | | | HNO3 | 3 | Field Blan Rinseate | Sample I.D. | | | |
| 3 1 | 1-1 | - 1 | Ť | | | HNO3 | 3 | Field Blan Rinseate | | Units | | |
| | amber Field Equi | ipment | 1 | I PE | | NO3 N | pe/Brand | Field Bla Rinseate | Sample I.D. | Units | | |
| F | Field Equiport | ipment /Tubing Tyl | 1 | / PE | | 703 Ty | pe/Brand | Field Blan Rinseate //Serial No. | Sample I.D. | Units DSS | | |
| F | Field Equiports Pump Type Bailer Type | ipment /Tubing Tyl | 1 | PE | | Ty Ter Wa | pe/Brand mp/pH/E.C ter Level F | Field Blan Rinseate //Serial No. | Sample I.D. | Units DSS ENTINE | | |
| F | Field Equiport | ipment /Tubing Tyl | 1 | PE | | 703 Ty | pe/Brand mp/pH/E.C ter Level F | Field Blan Rinseate //Serial No. | Sample I.D. | Units DSS | | |
| F E | Field Equipolation Type Bailer Type | ipment /Tubing Tyl | 1 | PE | Not OK | 7y Ter Wa Oth | pe/Brand mp/pH/E.C ter Level F | Field Blan Rinseate //Serial No. | Sample I.D. | Units DSS RENTINE | | |
| F E | Field Equiports Pump Type Bailer Type | ipment /Tubing Tyl | pe 55 | PE | Not OK | Ty Ter Wa | pe/Brand mp/pH/E.C ter Level F | Field Blan Rinseate //Serial No. | Sample I.D. | Units DSS | <u> </u> | |
| F E | Field Equipolation Type Bailer Type | ipment /Tubing Tyl | pe 55 | | , | Ty Ter Wa Oth | pe/Brand mp/pH/E.C ter Level F eer | Field Blan Rinseate | Sample I.D. | 2 DSS extinu | water | |



| PROJECT | Merce | er Megabl | ock | | DA ⁻ | TE/TIME SAI | MPLED | 3/5/20 / 1333 | | | |
|-----------------------------------|--|-------------------|--------------------------------|------------------|--------------------------------|------------------------------|--|---------------------------------|--|--|--|
| JOB NO. | 19409 | | | | TID | ALLY INFLU | ENCED | YES NOX | | | |
| PROJECT | MANAGER | M. Dag | el | | WE | LL DEPTH IN | FEET | 40 | | | |
| FIELD REF | S J. Bla | nchette | | | SCF | REENED INT | ERVAL IN I | FEET 25-30 | | | |
| WELL DEP | TH 40 SEDIMENT | (DTS) IN F | EET <u></u> S | .18 | [2 | SING VOLUN 2" diam = x .1 | IE IN GALL | ONS | | | |
| | DEPTH TO WATER (DTW) IN FEET 30.81 DTS - DTW) 4.37 | | | | | | PURGE VOLUME IN GALLONS 2.14 ACTUAL PURGE IN GALLONS 2 | | | | |
| 1242 Time | No. of Gallons Purged | pН | Temp in °C | Conduct in PS/4M | Diss. Oxygen in | Turbidity | ORP in MV | Comments: quality, recovery, co | | | |
| 1250 | 0.25 | 7.44 | 15.1 | 558 | 42.1 | 10251 | -30 | sheen, accumulated | | | |
| 1312 | ~ 1.0 | 7.20 | 16.1 | 510 | 49.4 | 28.08 | | | | | |
| 1323 | 1.5 | 7.19 | 16.1 | 507 | 49.7 | 23.12 | 35.5 | | | | |
| 1-0- | | 1114 | | | | | | | | | |
| Comments | 2 | 7.23 | 15.5 | 507 | 49.3 | 20:37 | 37.8 | | | | |
| | | 7.23 | Pumpin in GPM | g Rate D | Depth of quip, in Feet | Boi | ls dry? | Yes No | | | |
| | : | | Pumpin | g Rate D | Depth of | Boi | ls dry? | casing volumesX | | | |
| Comments | Method | | Pumpin | g Rate D | Depth of Equip. in Feet | Boi | ls dry? At no. of c | | | | |
| Purge Sample Sampling Bottle Type | Method plastic Data # of Contain | zump ners Anal | Pumping in GPM | g Rate D | Depth of Equip. in Feet 33 . 2 | Boi | Is dry? At no. of c | casing volumes | | | |
| Purge Sample Bottle Type | Method plastic Data # of | ners Analy | Pumping in GPM | g Rate D | Preserv. | Pui | Is dry? At no. of conge Water Description | casing volumes | | | |
| Purge Sampling Bottle Type | Method plastic Data # of Contain | ners Analy | Pumpinin GPM yses /BTEX | g Rate DE | Preserv. | Boi Pur | Is dry? At no. of conge Water Description | casing volumes | | | |
| Purge Sample Bottle Type | Method plastic Data # of Contain | ners Analy | Pumping in GPM | g Rate D | Preserv. | Pui | Is dry? At no. of congress water Discontinual Duplicate Field Black | casing volumes | | | |
| Purge Sampling Bottle Type | Method Plastic (Data # of Contain U | ners Analy | Pumpinin GPM yses /BTEX NATES | g Rate DE | Preserv. | Filter N N Y | Is dry? At no. of conge Water D Total nu Duplicate Field Blace | te Sample I.D. | | | |
| Purge Sampling Bottle Type VIOF | Method Plastic (Data # of Contain U | ners Analy | Pumpinin GPM yses /BTEX NATES | g Rate DE | Preserv. | Filter N N Y | Is dry? At no. of corge Water D Total nu Duplicat Field Bla Rinseate | te Sample I.D. | | | |
| Purge Sampling Bottle Type VIOF | Method Plastic Contain H ipment | ners Analy | Pumpinin GPM yses /BTEX NATES | g Rate DE | Preserv. HCA HN02 TO | Filter N W Y N | Is dry? At no. of congress water Deplicate Field Black Rinseate Market Property of the Congress of the Congres | te Sample I.D. | | | |



| PROJECT | Mercer | Megable | ock | | DAT | E/TIME SAN | //PLED | 3/4/2020/1630 |
|-----------------------------------|----------------------------|------------|----------------------------------|-------------|---|--|---|---|
| JOB NO. | 194090 |)4 | | | TIDA | ALLY INFLUI | ENCED | YES NO X |
| PROJECT | MANAGER | M. Dage | el | | WEL | L DEPTH IN | FEET | 40 |
| FIELD REP | S J. Blan | chette | | | SCR | EENED INT | ERVAL IN I | FEET 27-32 |
| Purging | Data/Field | Measur | ements: | All Measure | ments Relati | ive to Top of | Casing (TC | OC) |
| WELL DEP | тн 40 | | Sec | - A | CAS | ING VOLUM | IE IN GALL | ons 0-69 |
| DEPTH TO | SEDIMENT (| DTS) IN FE | EET _ 3 | 5.15 | [2 | ?" diam = x .1 | 63 gal/ft | 4" diam = x .653 gal/ft] |
| | WATER (DT) | | r _30. | 89 | PUR | GE VOLUMI | E IN GALLO | DNS 2.08 |
| DTS - DTV | v) 4.2 | lo | | | ACT | UAL PURGE | IN GALLO | ns |
| Tim - | No. of Gallons | all: | Temp | Conduct | Diss. Oxygen | Toblan | ORP | Comments: quality, recovery, color, odor, |
| Time | Purged | pН | in °C | in | in | Turbidity | in | sheen, accumulated silt/sand |
| | | | | | | 173 | | poss 1 |
| | | | | | | 10% | | 90SS 2 |
| | | | | | | 214. | | pass 3 |
| | | | | | | | | |
| Comments | | NO PLA | al, u | sed la | ailer to | o collect | - sam | slight ofer |
| | | no par | ge, u | sed la | ailer t | o calec | f Sam | 0 |
| | Method | no pur | Pumpir in GPM | ng Rate D | epth of | Во | ils dry? | Yes NoX |
| | _ | no par | Pumpir | ng Rate D | epth of | Во | ils dry? At no. of o | Yes No _X |
| Comments | _ | | Pumpir | ng Rate D | epth of | Во | ils dry? At no. of o | Yes NoX |
| Comments Purge Sample | Method Data | ers Anal | Pumpir in GPM | ng Rate D | epth of quip. in Feet 333 | Во | ils dry? At no. of orge Water E | Yes NoX |
| Comments Purge Sample | Method Data | ers Anal | Pumpir in GPM | ng Rate D | epth of quip. in Feet — 33° | Bo Pu | ils dry? At no. of a rge Water E | Yes NoX |
| Purge Sample Sampling | Method Data | ers Anal | Pumpir in GPM | ng Rate D | epth of quip. in Feet 33' Preserv. HCI | Bo Pu | ils dry? At no. of orge Water E Total no Duplica Field Bl | Yes No _X |
| Purge Sample Bottle Type | Method Data | ers Anal | Pumpir in GPM yses + BTEX+ DX | ng Rate D | epth of quip. in Feet | Bo Pu | ils dry? At no. of orge Water E Total no Duplica Field Bl | Yes NoX |
| Purge Sampling Bottle Type | Method Data # of Contain | ers Anal | Pumpir in GPM | ng Rate DE | Preserv. | Filter N | ils dry? At no. of orge Water E Total no Duplica Field Bi Rinseat | Yes No _X |
| Purge Sample Sampling Bottle Type | Method Data # of Contain | ers Anal | Pumpir in GPM | ng Rate DE | Preserv. | Filter N | Total no Field Bl Rinseat | Yes NoX |
| Purge Sample Sampling Bottle Type | Method Data # of Contain | ers Analy | Pumpir in GPM | ng Rate D | Preserv. | Filter N N N N N N N N N N N N N N N N N N N | Total no Duplica Field Bl Rinseat d/Serial N | Yes NoX |



| PROJECT | Merce | r Megabl | ock | | DATE | E/TIME SAM | IPLED | 2/27/20/1230 |
|---|--|------------|--|-------------|---|---|--|--|
| JOB NO. | 194090 | 04 | | | TIDA | LLY INFLUE | ENCED | YES NO |
| PROJECT | MANAGER | M. Dag | el | | | L DEPTH IN | | 32 |
| FIELD REP | S J. Blar | nchette | | | SCRI | EENED INT | ERVAL IN F | EET 21-32 |
| WELL DEP | TH 5 | (DTS) IN F | 3Z EET _ 3 | All Measure | [2' | NG VOLUM " diam = x .1 | IE IN GALL | ONS 0.974 4" diam = x .653 gal/ft] |
| DEPTH TO WATER (DTW) IN FEET 19 DTS – DTW) | | | 7.1-1 | | PURGE VOLUME IN GALLONS 2.92 ACTUAL PURGE IN GALLONS | | | |
| Time | No. of Gallons Purged | рН | Temp in °C | Conduct | Diss. Oxygen in | NTU Turbidity | ORP | Comments: quality, recovery, o |
| 7 | 1 | | 7 | | | | | mss1-54711TU |
| | | | | | | | | 06557 - 701 NTU |
| | | | | | | | | 09553-1075 NTU |
| | | | | | | | | DA 22 2 (0) 12 10 101 |
| | 1 | | | | | | | |
| Comments | | | | | jetatlic. Us pass filled | | - exto sa | mple. No purge Sampl |
| | | | vid-dept | ng Rate [| pass filled Depth of | ed locale | ils dry? | Yes No _ |
| Comments | | | vid-dept | ng Rate [| pass filled | uods Bo | oils dry? At no. of | Yes No _ |
| | | from w | vid-dept | ng Rate E | pass filled Depth of | uods Bo | oils dry? At no. of | Yes No _ |
| Purge Sampling Bottle Type | Method Method Method Method Method Method Method Method Method | ners Ana | Pumpii in GPN | ng Rate C | Depth of Equip. in Feet 37 H Preserv. | WOA'S Bo Pu Filter | hils dry? At no. of urge Water [| Yes No casing volumes Disposal Method/Volume |
| Purge Sampling Bottle Type | Method Method Method Method Method Method Method Method Method | ners Ana | Pumpii in GPN | ng Rate C | pass filed Depth of Equip. in Feet 32 f4 | WOA'S Bo Pu Filter | oils dry? At no. of orge Water I Total n Duplica Field B | Yes No casing volumes Disposal Method/Volume umber of Bottles ate Sample I.D |
| Purge Sampling Bottle Type | Method To Data # of Contain 4 | ners Ana | Pumpin in GPN | ng Rate C | Preserv. | WOAS BO | oils dry? At no. of orge Water I Total n Duplica Field B | Yes No _ casing volumes Disposal Method/Volume umber of Bottles ate Sample I.D. |
| Purge Sampling Bottle Type | Method Dailer Data # of Contain 4 | ners Ana | Pumpin in GPN lyses stals total | ng Rate C | Preserv. | Filter NO NO Pu Filter NO NO NO NO NO NO NO NO NO N | Total n Duplica Field B Rinsea | Yes No casing volumes Disposal Method/Volume umber of Bottles ate Sample I.D |
| Purge Sampling Bottle Typ | Method Dailer Data # of Contain 4 | ners Ana | Pumpin in GPN lyses lyses tals totals air | ng Rate CA | Preserv. | Filter NO NO Pu Filter NO NO NO NO NO NO NO NO NO N | Total n Duplica Field B Rinsea | Yes No casing volumes Disposal Method/Volume umber of Bottles ate Sample I.D lank I.D te Sample I.D |
| Purge Sampling Bottle Typ | Method Data Pof Contain Grant Hof Contain Grant | ners Ana | Pumpin in GPN lyses lyses tals totals air | ng Rate C | Preserv. HCI NO2 Tr | Filter No No No No No No No No No N | Total n Duplica Field B Rinsea | Yes No casing volumes Disposal Method/Volume umber of Bottles ate Sample I.D. |



| PROJECT | Merc | er Me | gablo | ck | | D | ATE/TIME | SAMPL | LED | 2/28/20 | 1010 |
|--|---|-----------------|-------------------------------------|-------------------------------|--------------------|---------------------------------|----------------------------|-----------------|--|--|----------------------------|
| JOB NO. | 1940 | 904 | | | | TI | DALLY INF | LUEN | CED | YES | NO X |
| PROJECT | MANAGER | <u>M.</u> | Dage | | | | ELL DEPTI | | | | |
| FIELD REI | os J. Bl | anche | ette | | | S | CREENED | NTER | RVAL IN F | EET 27-3 | 2 |
| Purging WELL DEF | | | asure | ements: / | All Meas | eurements Rei | | | | C) DNS 1,46 | |
| DEPTH TO | | |) IN FE | ET 35. | 54 | | [2" diam = | | | 4" diam = x .653 | |
| DEPTH TO | WATER (I | N (WTC | FEET | | | Pl | JRGE VOLI | JME IN | N GALLO | | 7 |
| (DTS - DT | W) | 8. | 94 | | 1 | AC | TUAL PUR | GE IN | GALLON | | |
| Time | No. of Gallons Purged | | | Temp in °C | Condu | Diss. Oxyge | | | ORP | | uality, recovery, color, o |
| 1039 | Purged | 1 | 46 | 14.2 | 10 9 | 77 | _ Turbid | | 190.1 | V Siltu(an | heen, accumulated silt/s |
| 1101 | 2 | - | 54 | 14.1 | 69 | 1 - 10 | 4.0 | - | 199.10 | O STITULE | euj) |
| 1122 | 3 | 1 | 44 | 15.0 | 69 | | _ | - | 223 | | |
| | | | | 1. 1. 1. | 122 | 0 16 | 201 | - | | | |
| 1141 | 4 | | 42 | 14.3 | 1094 | 0.31 | 0 2360 | | -225 | | |
| | 4 4.5 | 7.0 | 42 | 14.3 13.5 13.2 Whigh | 694 695 697 | 5 0.37 | 132 | 16 | 2269 2269 214 | CL it segmind | to be in all space (|
| 1200 | 4 4.5 s: 5 | 7.0 | 42 | 13.5 13.2 13.2 | 690 690 1000 | 0.37 3 0.37 4 2 2 2 4 2 1 | 132 107 50 My 170 | 16 | 2269 214 1 Mayu | | to be in all space (|
| 1141 1200 1273 Comment | 4 4.5 s: 5 | 7.4 7. 7. | 47 40 42 42 142 | 13.5 13.2 | 690 690 1000 | Depth of Equip. in Fe | 132 107 50 My 170 | Light Boils | 2269 214 1 Wayy | | NoX |
| 1141 1700 1773 Comment | 4 4.5 s: 5 Method | 7.4 7. 7. | 47 40 42 42 142 | 13.5 13.2 13.2 | 690 690 1000 | 0.37 3 0.37 4 2 2 2 4 2 1 | 132 2 107 50 mp 10 s | Boils o | 2769 214 1 Vooy | Yes | No <u></u> |
| 1141 1200 1273 Comment | 4 4.5 s: 5 | 7.4 7. 7. | 47 40 42 42 142 | 13.5 13.2 13.2 | 690 690 1000 | Depth of Equip. in Fe | 132 2 107 50 mp 10 s | Boils o | 2769 214 1 Vooy | Yesasing volumes _ | No <u></u> |
| 1141 1700 1773 Comment | Hethod | 7.4 7. 7. | 47 40 42 42 142 | 13.5 13.2 13.2 | 690 690 1000 | Depth of Equip. in Fe | 132 2 107 50 mp 10 s | Boils o | 2769 214 1 Vooy | Yesasing volumes _ | No <u></u> |
| 1141 1200 1273 Comment Purge Sample | Hethod | 7.4 7. 7. | 47 40 42 42 142 | 13.5 13.2 13.2 | 690 690 1000 | Depth of Equip. in Fe | 132 2 107 50 mp 10 s | Boils o | dry? | Yesasing volumes _ | No <u></u> |
| Purge Sampling Bottle Type | Method Dash Dash Dash Method Dash Method Dash Method | 7.0 | 47 40 42 42 Analys | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | et Filter | Boils o | dry? | Yesasing volumes _ isposal Method/v | No <u></u> |
| Purge Sampling Bottle Typ | Method Dashi Data # of Cont. | 7.0 | 47 40 42 1 Henry Analys | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | 132 07 50 mp 17 6 | Boils o | dry? At no. of ca | Yesasing volumes _ isposal Method/v | No |
| Purge Sample Bottle Typ AMper | Method Dashi Data # of Cont. | 7.0 | Analys VOCI | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | et Filter | Boils o | dry? At no. of ca | Yesasing volumes _ isposal Method/v mber of Bottles e Sample I.D. | No |
| Purge Sampling Bottle Typ | Method Dashi Data # of Cont. | 7.0 | 47 40 42 1 Henry Analys | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | et Filter | Boils o | dry? At no. of case Water Di | Yesasing volumes _ isposal Method/v mber of Bottles e Sample I.D. | No |
| Purge Sampling Bottle Type AMper | Method Dashi Data # of Conti | 7.0 | Analys Victor | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | et Filter | Boils of A | dry? At no. of case Water Di Total nur Duplicate Field Blat Rinseate | Yesasing volumes _ isposal Method/v mber of Bottles e Sample I.D. | NoX |
| Purge Sampling Bottle Typ VIA AMber Poly Poly Poly Poly Field Equ | Method Plaski To Data # of Contain In the | 7.7 | Analys Victor | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | et Filter | Boils of A | dry? At no. of case Water Dis | Yesasing volumes _ isposal Method/versity isposal Method Met | NoX |
| Purge Sampling Bottle Typ VOA AMber Poly | Method Data # of Continuing Tubing T | 7.7 | Analys Victor | Pumping in GPM | 690 690 1000 | Depth of Equip. in Fe | et Filter | Boils of APurge | dry? At no. of care Water Di Total nur Duplicate Field Bla Rinseate Serial N meter | Yesasing volumes _ isposal Method/versity isposal Method Met | NoX |



| | | r Megabl | ock | | | E/TIME SAM | | VICI 100 | 1534 |
|---|---|-----------------|--|------------------------|-------------------------|---------------------------------|--|---|---------------------------|
| JOB NO. | 19409 | | | | | ALLY INFLUE | | YES | _ NOX |
| PROJECT N | | | el | | | L DEPTH IN | | 40 EET 35-6 | t to |
| FIELD REP | 5, 5,6 | nchette | | | | REENED INTI | | | 70 |
| Purging I | Data/Field | d Measur | ements: | All Measure | ments Relati | ive to Top of | Casing (TO | C) - | * |
| WELL DEP | тн | 40 | | | CAS | ING VOLUM | E IN GALLO | ONS 1.88 | |
| DEPTH TO | SEDIMENT | (DTS) IN F | EET 44. | 13 (39 | 1-06 bgs) [2 | 2" diam = x .1 | 63 gal/ft | 4" diam = x .65 | 3 gal/ft] |
| DEPTH TO | | | T 32, | 69 (27: | Szlas PUR | GE VOLUME | E IN GALLO | NS 5.69 | 5 |
| (DTS – DTV | v) | 1.56 | | | ACT | UAL PURGE | IN GALLON | vs <u>4</u> | |
| Time | No. of Gallons Purged | На | Temp in °C | Conduct in MS/cm | Diss. Oxygen in _00m | Turbidity | ORP in | | quality, recovery, color, |
| 1556 | 1 | 8.17 | 10.2 | 1575 | 0.52 | 49.5 | -257.2 | | |
| 1010 | 2 | 8.14 | 16 | 1283 | 0.45 | 33.33 | -269.2 | | |
| 110310 | 3 | 8.08 | 16.0 | 107 | 0,36 | 18.85 | -2747 | | |
| 11.55 | Ü | - | II. D | 1022 | 0.32 | 19.65 | -272.9 | | |
| 1101 | | 8.01 | 10.0 | 1000 | 1.2 | 15100 | 6 161 | | |
| Comments | V | Sam | ple M | BB-10. | | | | | |
| | V | | | BB-10 - | |) 1700 Bo | ils dry? | Yes | No} |
| | | Sam | ple M | g Rate | GW C |) (7 <i>0</i> 0) | ils dry? At no. of c | asing volumes _ | |
| Comments | Method | Sam | Pumpin in GPM | g Rate | Pepth of Equip. in Feet | Bo | ils dry? At no. of c | casing volumes _ | |
| Comments | Method | Sam | Pumpin in GPM | g Rate | Depth of Equip. in Feet | Bo | ils dry? At no. of corge Water D | casing volumes _ | Volume |
| Purge Sample Sampling Bottle Type | Method Plashic pun Data # of | SQ(M) | Pumpin in GPM | g Rate D E S S | Depth of Equip. in Feet | Bo Pui | ils dry? At no. of corge Water D | casing volumes _ disposal Method/N | Volume |
| Purge Sampling Bottle Type | Method Plashic pun Data # of | SQ(M) | Pumpin in GPM 0.05 | g Rate D E S S | Depth of Equip. in Feet | Bo Pu | ils dry? At no. of corge Water D | casing volumes _ disposal Method/N | Volume |
| Purge Sampling Bottle Type | Method Plashic pun Data # of | SO(M) | Pumpin in GPM O.04 Vyses OCs + TP | g Rate D E S S | Depth of caup. in Feet | Bo Pull U | ils dry? At no. of corge Water D | casing volumes _ disposal Method/N S , Combined umber of Bottles te Sample I.D. | Volume |
| Purge Sampling Bottle Type | Method Plashic pun Data # of | SO(M) | Pumpin in GPM 0.05 | g Rate D E S S | Depth of Equip. in Feet | Bo Pu | ils dry? At no. of corge Water D Total nu Duplicat Field Bla | casing volumes _ disposal Method/N S , Combined umber of Bottles te Sample I.D. | Volume |
| Purge Sampling Bottle Type Amber | Method Plastic pun Data # of Contai | SO(M) | Pumpin in GPM O.05 Uyses OCs + TP PH Due | g Rate D E S S | Preserv. | Filter WP Was Viss | ils dry? At no. of corge Water D Total nu Duplicat Field Bia | umber of Bottles te Sample I.D. ank I.D. e Sample I.D. | Volume W/HMW975 |
| Purge Sampling Bottle Type | Method Plastic pun Data # of Contai | SO(M) | Pumpin in GPM O.05 Uyses OCs + TP PH Due | g Rate D E S S | Preserv. | Filter WP Was Viss | ils dry? At no. of corge Water D Total nu Duplicat Field Bia | casing volumes _ disposal Method/N S , Companyed umber of Bottles te Sample I.D. ank I.D. | Volume W/HMW975 |
| Purge Sampling Bottle Type Amber | Method Plastic pun Data # of Contai | SOM ners Ana | Pumpin in GPM O.05 Uyses OCs + TP PH Due | g Rate D E S S | Preserv. | Filter WP Was Viss | Total nu Duplicat Field Bla Rinseate | umber of Bottles te Sample I.D. ank I.D. e Sample I.D. | Volume W/HMW975 |
| Purge Sampling Bottle Type 10A 004 Field Equ | Method Plastic pun Data # of Contai Contai In the Contain of | SOM ners Ana | Pumpin in GPM O.05 Uyses OCs + TP PH Due | g Rate D E S S | Preserv. | Filter WP Wo Vyo Vype/Brand | Total nu Duplical Field Bla Rinseate d/Serial N | umber of Bottles te Sample I.D. ank I.D. e Sample I.D. | Volume W/HMW975 |



| | (e.g., 20' N | | C. (for new w er of building | | them-1 | nost-te | MP WE | ell an e | 30est sold | e of prope | ath |
|----------|--------------|-------------------|---------------------------------|---------------|----------------------|--------------------------|---------------|---------------|----------------------------------|---|------------|
| | PROJECT | MM | B | , | | DAT | E/TIME SAM | MPLED 2 | 16/20 | 1 1330 |) |
| | JOB NO. | 1940 | 904 | | | | LLY INFLUE | | YES | NO X | - = |
| | PROJECT M | IANAGER | M. Da | ge) | | | L DEPTH IN | | 351 | _ 10 | _ |
| | FIELD REPS | DOZ | es | | | | | ERVAL IN FE | | 3 | - |
| (1) | Purging D | Data/Field | i Measure | ments: / | All Meas urer | | | | | 8) | - |
| nc O | WELL DEPT | | o — 1 | Com | 656 | ~ | | E IN GALLO | ı | 6177 | |
| 151 | SEDTUTO (| | 1 | | 1621 | | " diam = x .1 | | 4" diam = x .65 | 014 | - |
| oboles | DEPTH TO V | | | | .701 | | | E IN GALLO | | S gai/πj FC/C | |
| 7.63 | (DTS – DTW |) | 9.92 | | | | | IN GALLON | <u></u> | > 0 | - |
| TOM live | | No. of | | | | 0/2 | | | | | - |
| 70° C '' | Time | Gallons Purged | pН | Temp in °C | Conduct in w5 C/ | Diss. Oxygen in | Turbidity | ORP in 4.V | Comments: | quality, recovery, co sheen, accumulated | lor, odor, |
| | 1173 | 0.1 | 8.64 | 13.5 | 994 | 620 | 160.0 | 1949 | Slightly | A London Marie Communicated | N |
| | 1133 | 0,5 | 8.14 | 13.8 | 462 | 334 | 220 | -314.6 | 1, | 11 | 1, |
| | 1139 | 60 | 8.11 | 13.7 | 1273 | 23.7 | 2590 | -170 | Cland | · NON | 100 |
| | 1152 | 15.5 | 7.58 | 13.5 | 1245 | 18 8 | 188.10 | -4440 | | 7 ; 100,10 | .) |
| sample: | 102 | 2.0 | 7.36 | 17.5 | 1151 | 170 | 1691 | -479 | | V.f. | |
| - | Comments | ا لاگ | Pulled | Ohn | 20 1 4 2 | 0.01 | 10 7 | 9 10 | G, to p |), | |
| | | | to ~ | L+1 6 | 17.0- | | 1 6 6 | . 9 |) [1 | My mours | |
| | | | | Pumpin | s Pata D | -11f | _ | | | | 1. |
| | | Method | | in GPM | | epth of quip. in Feet | Во | ils dry? | Yes | No | <u> </u> |
| | Purge | sub. Pu | mp | 0. | . (/ | 29.5 | Pit | | asing volumes isposal Method/ | | |
| | Sample | LE | | ι | | ~28 | 3_ [| TW | | 3)4-6 | |
| (2) | Sampling | Doto | | | | | | | | | |
| | Samping | Dala | | | | | | <u> </u> | | | |
| | Bottle Type | # of Contai | ners Analy | reee | DK. | Process | Filton | Total nu | mber of Bottles | 2 | |
| | poly | 1 | ne | KUS - | (WHEE) | Preserv. HWO≥ | Filter | | | | |
| | Poly | 1 | M | etals. | (Ican) | H1002 | Y | • | te Sample I.D. | | _ |
| | | | | | | | | Field Bla | | | |
| | | | | | | | | Rinseati | e Sample I.D. | | |
| (3) | Field Equ | ipment | | | | T | ype/Bran | d/Serial N | lo./Material (| Units | |
| | Pump Type | /Tubing Ty | 10e 50 | DIF | >F | т. | emp/pH/E.0 | > motor | YLT | Ne< | |
| | Bailer Type | | | - | | | ater Level | | Liker | Textion | |
| | Filter Type | | | | | | ther | 1006 | - War had | 1 -11/1/1 | |
| 4 | Well Cond | ditions | Oi | < | Not OK | Explain | NA- | tem | ולפנו סו | | |
| | | | | | | | . A [] | 101 | 1 3331 | 1 | |

Public Review Draft

| | time! | Hgallpuged [| PH | | | | TUB 1.67.83 | ORD 1807es- |
|--------|-----------------------|--|---|------|-----|-----|-------------|-------------------------------|
| | 1733 12 5 0 | | 7.18 | 13.5 | 944 | 145 | 11/4/2 | -503.4 MO, NS |
| Sangle | 1377 | 4. S. O | | 13.5 | 849 | 142 | 111111 | -501.9 00 005 -4018 00 005 |
| | | The state of the s | | | | | | |
| | | And Country to the co | App. And Assembly of the Control of | | | | | |
| | د کندندی در دی | | | | | | | |

Public Review Draft Groundwater Sampling Data - Well I.D. tempure! 3/ 9/2020 Project **MMB** Date/Time Sampled Job No. 1940904-04 Tidally Influenced Yes Project Manager M. Dagel Well Depth in Feet BD (AN) / JB / BL / JH Field Reps. Screened Interval in Feet 1) Purging Data/Field Measurements: All Measurements Relative to Top of Casing (TOC) l. 60 Casing Volume in Gallons Depth of Sediment (DTS) in Feet [2" diameter = x = 0.163 gal/ft] Depth of Water (DTW) in Feet Purge Volume in Gallons (DTS - DTW) Actual Purge in Gallons No. of Diss Temp Gallons Conduct Oxygen Turbidity ORP Purged in °C Time in uS/cm pΗ in mg/L in NTU in mV Comments: Quality, Recovery Color, Odor, Sheen, Accumulated Silt/Sand -449 2.0 -453 3.8 11 4 11 11 13.7 1.54 Å (10 1 / Comments Purging Rate in Depth of Method **GPM** Equipment in Feet Bails dry? Yes 321 Purge At no. of Casing Volumes U 11 Sample Purge Water Disposal Method/Volume 2) Sampling Data Bottle Type No of Containers Analyses Perserv. Total Number of Bottles MICHSMOODS Do Duplicate Sample I.D. Field Blank I.D. Rinseate Sample I.D. 3) Field Equipment Type/Brand/Serial No./Material/Units Pump Type/Tubing Type Temp/pH/E.C./D.O

Water Level Probe

Other

Not OK

Bailer Type

Filter Type

4) Well Conditions

HC Standards/Field Forms/GW-Well ID



| | | | . (for new well er of building A | | MP W | ell @ | MBE | 3-15 N+5 | Rester | m side | 201 |
|---------|-------------|-------------------|-------------------------------------|----------------|----------|--------------------------|---------------|-------------|------------------------------|-----------------------|--------------|
| | PROJECT | M | MB | | | DAT | E/TIME SAM | IPLED _ | 3/6/29 | 1630 | 1 490 |
| | JOB NO. | 19 | 40904 | | 1 | TIDA | LLY INFLUE | NCED ' | YES | NO X | |
| | PROJECT M | Λ. | | Dage | 1 | | L DEPTH IN | _ | 35 | [| |
| | FIELD REPS | | 1 1/9 64 | hara- | t B. Po | Zi (SCR | EENED INTE | ERVAL IN FE | ET3 (| 7-35 | |
| (1) | Purging L | Data/Field | Measuren | nents: All | Measurem | ents Relativ | ve to Top of | Casing (TOC | ;) | | |
| | WELL DEPT | н | 35 | 615 | | CAS | ING VOLUM | E IN GALLO | NS | 51 | |
| | | , | DTS) IN FEE | т <u>35</u> | 075 | | " diam = x .1 | 63 gal/ft | 4" diam = x .65 | 3 gal/ft] | _ |
| | DEPTH TO | 7 ~ | à . | 26. | .49 1 | , | | E IN GALLO | | 53 | _ |
| | (DTS - DTW | 1) 402 | 6 | | | ACTI | JAL PURGE | IN GALLON | is $\underline{\mathcal{Y}}$ | +5 | _ |
| | | No. of Gallons | | Temp | Conduct | Diss. Oxyg e n | pro | ORP | Commente | quality, recovery, co | plan adau |
| | Time | Purged | pН | | in MSCM | in Hall | Turbidity | in KV | | sheen, accumulated | |
| | 1496 | 0.1 | t. 86 1 | 3,6 | 709 | 3.70 | 492.13 | -161.6 | initiall | plant & | n' 170' /22 |
| | 1440 | 0.75 | +·15 1 | 4,3 | 1/11 | 1,11 | 40.63 | -4241 | MSS to | KIN, NUN | |
| | 1494 | 10 | 7.16 | 4.3 | 17.54 | 1176 | 23017 | -438.3 | Sta Slig | htylesth. | 16:1. NO (NS |
| | 14 53 | 7.0 | 7.08 | 14.4 | 1322 | 1.60 | 194.80 | -4618 | Slight | of Cloudy, | NONS |
| sample: | [170 7 | 0.0 | 7.01 | 14.5 | 1196 | lass. | 1 0632 | - 104.3 | (lease) | NUM | |
| | Comments | : _ | | | | | | | | | |
| | | - | | | | | | | | | |
| | | Method | | Pumping in GPM | | pth of uip. in Feet | | ils dry? | Yes | No 🔁 | |
| | Purge | . 1 | ers, ble | ~0.0 | | 32 | | | asing volumes | | |
| | Sample | | U | 11 | | 11 | I . | dispose d | isposal Method/ | rolume | Site |
| 2 |) Sampling | Data | | | | | _ | | | | |
| | D. #1. T | # of | T | | | | | Total nu | mber of Bottles | | |
| | Bottle Type | Contain | ners Analys | es H c | | Preserv. | Filter | | | N/4 | |
| | amber | 1 | DRI |) + HR | 0 | 10 | CN | • | e Sample I.D. | | |
| | | | | | | | | Field Bla | ank I.D. e Sample I.D. | (1/A | |
| | | | | | | | | | | - ('/ 4 | |
| (3) | Field Equ | ipment | | | | 7 | ype/Bran | d/Serial N | lo./Material(| Units | |
| | Pump Type | /Tubing Ty | pe plas | til su | bagesib | <u>и_</u> т | emp/pH/E.0 | C. meter | YSI | DSS Pro | |
| | Bailer Type | | - CY/A | | | W | /ater Level | Probe | _ wa | Heline 71 | - 1 |
| | Filter Type | | NA | | | 0 | ther | | | | |
| 4 | Well Con | ditions | OK | N | lot OK | Explain | NA | - to | enpu | ell | |

| | | | | Public Re | | aft | 1088 | (Comments |
|--------|------|------|------|-----------|------|-----------|---------|-----------|
| TIME ! | 911 | p+/ | Temp | Cordnet | Do | 74 pidity | | /3 |
| 1512 | 2.5 | 6.47 | 14,3 | 1267 | 1.51 | 8157 | -48.2 | NOINS |
| 1523 | 3.0 | 6.95 | 14.4 | 1741 | 1.47 | 72.81 | -488.4 | NO, OS |
| 1533 | 3.5 | 6.93 | 14.2 | 1717 | 1,46 | 68.95 | -487.1 | NO145 |
| 1543 | 4.0 | 6,95 | [4.1 | 1197 | 1.46 | 63.02 | | do as |
| 1718 | 4.75 | 688 | 14.3 | [115 | 1.41 | | 1 0 | |
| | | | | | | | Mayaria | |