

Location MDA L Date 11/06/2015  
 Project / Client Vapor Sampling  
54-24238, 54-02089, 54-02016

~~11/06/2015~~

Daily Field Summary Report  
MDA L Vapor Sampling

Date: 11/06/2015 Crew onsite from 0800-1130

Crew: B. Rappe, M. Shendo, and H. Roten

Activities completed: The following samples were relinquished to the SMD:

Well	Port Depth (ft)	Analysis	Sample ID	Notes
54-24238	44	VOC	MD54-15-105337	
	64	VOC	MD54-15-105338	
	84	VOC	MD54-15-105339	
54-02089	13	VOC	MD54-15-105333	
	31	VOC	MD54-15-105334	
	31	VOC	MD54-15-105380	FD
	31	VOC	MD54-15-105389	FB
	46	VOC	MD54-15-105335	
	86	VOC	MD54-15-105336	
54-02016	31	VOC	MD54-15-105311	

Plans for Monday: Vapor sampling at location 54-24399 (inside fence at Area L).

Visitors: None

Notes: Blocked/partially blocked ports 1 (18ft) and 3 (82ft) were removed from sampling plan at location 54-02016 and tritium levels at open well and port 2 were 12  $\mu\text{Ci}/\text{m}^3$ . Tritium levels ranged from 0 - 5  $\mu\text{Ci}/\text{m}^3$  at wells 54-24238 and 54-02089.

Two gallons of water were removed from vapor well 54-24238 and stored in a container at MDA L.

Larry Salazar had equipment removed from location 54-24399 in order to make room for a drill rig on Monday, November 9<sup>th</sup>.

~~11/06/2015~~

Location MDAL Date 11.9.2015  
 Project / Client Vapor Sampling  
54-24399

Crew: B. Rappe, M. Shendo, J. Jordan

Equipment: See page 82, 10

Weather: Mid 50's, <sup>partly</sup> cloudy

Activities: Vapor sampling open borehole 54-24399.

0530 Load van, move to front of building, emails, paper work prep, calendar, emails, scans, logbook prep, packer info.

0715 M. Shendo calibrates #2603 MultiRae - see logs

0730 check Nitrogen levels.

0750 Onsite at TA 54. Sign in at ops. Call from T. McFarland concerning PoB. Must pick up addendum since TA-64 didn't know we were sampling open borehole. Explained email sent to her by K. Reid last week and she said she didn't get a calendar. J. Jordan to pick up.

~~11/09/2015~~



Location MDA L Date 11-9-2015  
 Project / Client Vapor Sampling  
54-24399

0820 H. Roten onsite for H<sub>3</sub> sniff  
 open well reading 86 µci/m<sup>3</sup>.  
 waited ~ 15 min. for levels  
 to reach < 20 µci/m<sup>3</sup>.

0835 Begin setting up to install  
 single packer to 565.5'-565.5'

0845 Start lowering packer

0924 Packer set at 565.5' A  
 (sampling port)

T. McFarland, S. Rogers,  
 K. Rich onsite. Verify with  
 Kent Rich sampling port is  
 correct at 565.5' according  
 to BH log. OK from K. Rich.

0925 Set packer to 140psi.  
 According to Bimbar  
 packer diagrams.

Crew will purge for ten  
 minutes and collect  
 VOC sample.

0936 Begin purge of 565.5'-608'

0948 Start sampling

CH<sub>4</sub> = 0% CO<sub>2</sub> = 180 ppm O<sub>2</sub> = 20.9% VOC = 0.0

Summa # ~~NX~~ 10

PM

0953 Deflate Packer 102 11.9.15

Location MDA L Date 11-9-2015<sup>97</sup>  
 Project / Client Vapor Sampling  
54-24399

1000 Start removing packer  
 system from open borehole.  
 H. Roten (RET) will take H<sub>3</sub>  
 smears on wireline and  
 sample tubing every 60ft.

1030 Packer system removed  
 #1010 K. Rich, T. McFarland,  
 and S. Rogers offsite.

Pack equipment

1032 H. Roten offsite with H<sub>3</sub>  
 smears. Will contact  
 B. Rappe when results are  
 available.

Load van and park Boart  
 Longyear rig inside MDA L  
 and wait for H<sub>3</sub> results.

1100 Sign out of TA-54 ops.

1130 Return regulator (625 psi)  
 to TA-64.

1220 Relinquish samples to  
 SMO

1245 unload all open borehole  
 equipment at TPMC  
 Connex.

11.9.2015



Location MDA L Date 11.9.2015  
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54-24399

1330 Revise calendar.  
 Not receiving 40 summaries  
 per week like previously  
 told. (Rev. 3)

1345 Daily field report.  
 1355 Call from H. Roten. H3  
 smears cleared for Boart  
 Longyear rig. Will be  
 picked up on 11.10.2015: 8 AM.

1400 Scans of paperwork,  
 talk to K. Reid, logbook,  
 and safety tailgate to  
 T. McFarland.

Daily Field Summary Report  
 MDA L Vapor Sampling

Date: 11/09/2015 Crew onsite from 0745-1200

Crew: B. Rappe, M. Shendo, J. Jordan, D. McDonald (Boart Longyear), and H. Roten

Activities completed: The following samples were relinquished to the SMO:

Well	Port Depth (ft)	Analysis	Sample ID	Notes
54-24399	565.5-608	VOC	MD54-15-105362	

Plans for Tuesday: Vapor sampling at locations 54-24240 and 54-27641 (inside fence at MDA L).

Visitors: Kent Rich, Tracy McFarland, and Sam Rogers

Notes: A single packer was placed in well and sampling port was set at ~565.5 ft bgs.

Tritium levels ranged from 0 - 86  $\mu\text{Ci}/\text{m}^3$ . As packer assembly was removed from well, tritium smears  
 were taken every 60ft on wire line and sample tubing. Boart Longyear's work over rig will remain  
 inside the fence at MDA L until cleared by RCT.

Larry Salazar will coordinate with SM-30 to have trailer removed from location 54-24239. Sampling is  
 scheduled for Thursday, November 12th.

11/09/2015

Location MDA L Date 11.10.2015  
 Project / Client Vapor Sampling  
54-24240 and 54-27641

Crew: Blappe, MShendo, and  
 JJordan

Equipment: See page 82 <sup>10/10/15</sup>

Weather: low 50's, windy

Activities: Vapor Sampling at  
 54-24240 and 54-27641

0530 Blappe loads van and  
 drives around to building,  
 paperwork prep, logbook,  
 emails, scans

0715 MShendo and JJordan  
 calibrate #2603 multirae

0730 Prep for TA-54.  
 Onsite at TA-54 ops.

0800 Onsite at MDA L.

~~MShendo opens wells for  
 H. Roten to screen for #3.~~

0810 D. McDonald (Boart Longyear)  
 removes drill rig from  
 MDA L.

0820 Onsite at 54-24240.  
 H. Roten screens for H3.

0-3  $\mu\text{Ci}/\text{m}^3$ . Relocate to  
 well 54-27641.

11.10.2015



Location MDA L

Date 11-9-2015

Project / Client

Vapor Sampling

54-24399

0820 H. Roten onsite for H3 sniff  
open well reading  $86 \mu\text{Ci}/\text{m}^3$ .  
waited ~ 15 min. for levels  
to reach  $< 20 \mu\text{Ci}/\text{m}^3$ .

0835 Begin setting up to install  
single packer to 561.5' - 565.5'.

0845 Start lowering packer

0924 Packer set at 565.5 ft  
(sampling port)

T. McFarland, S. Rogers,  
K. Rich onsite. Verify with  
Kent Rich sampling port is  
correct at 565.5' according  
to BH log. OK from K. Rich.

0925 Set packer to 140 psi.  
according to Bimbar  
packer diagrams.

Crew will purge for ten  
minutes and collect  
VOC sample.

0936 Begin purge of 565.5' - 608'

0948 Start sampling

CH<sub>4</sub> = 0% CO<sub>2</sub> = 1800 ppm O<sub>2</sub> = 20.9% VOC = 0.0

Summa # N2410

0953 Deflate packer 11-9-15

11-9-2015<sup>97</sup>

Set packer

561.5' - 565.5'

↓  
sample take H3  
port !!! and

1000 Packer system removed  
\* 1010 K. Rich, T. McFarland,  
and S. Rogers offsite.

Pack equipment

1032 H. Roten offsite with H3  
smears. Will contact  
B. Rapp when results are  
available.

Load van and park Boart  
Longyear Rig inside MDA L  
and wait for H3 results.

1100 Sign out of TA-54 ops.

1130 Return regulator (625 psi)  
to TA-64.

1220 Relinquish samples to  
Smo

1245 unload all open borehole  
equipment at TPMC  
Connex.

11-9-2015