

# Health Physics Sample Records

Sample ID: 142498

Type: RLSSS

Type Detail: SAND

Status: APPROVED

Rasterized: ☒

Description: 140605BD09 SOUTH LAY DOWN # 18

## Common

Resp Org: P4000 - PROJECT MANAGEMEN

Cross Ref Sample ID:

Priority: N

Contact: COOPER, TERRY L

Survey No:

Reference ID:

Accounting Subcode:

Unknown Mat: NO

Hazardous Mat: NO

Comments: COUNT TO MDA

Reviewed: DYNES, WILLIAM J

Date: 06/06/14 10:07

Comments:

## Origin

Mat. Size/Volume: 1861 GRAMS

Docmnt/MO/Act #:

Proposed Ship Date: 00/00/00 00:00

Description: SOUTH LAY DOWN #18

## Collection

Sample Tech: DYNES, WILLIAM J

Sample Date: 06/05/14 08:50

Count Time: 900 (secs.)

Tritium Req: No

Sample Size/Volume: 1861 GRAMS

Instructions: COUNT TO MDA

Comments: COUNT TO MDA

## RLSSS

Exempt: No

Evaluated: No

Chem Notification: No

State Permit: No

Offsite Analysis: No

Effluent Permit: No

Container Surveyed: No

Cleared For Release: Yes

Container Evaluated: No

Form 212 Ready: ☒

## Location

Unit: NON-UNIT RE

Area: MS

Elev: 100

Room:

Depth: (in.)

Equip ID:

Stored By: ,

Date: 00/00/00 00:00

Sample Loc:

Other: COUNT TO MDA

Material Loc:

# Health Physics Sample Records

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## Analysis

Geometry	MCA ID	Quant.	Units	Method	FP/AP	Lab	Analysis By	Date	Mod ID	Mod Date
B_1L_marinelli_sand_	30389	1861	GR		.000		NEEBE, DAVID J	06/06/14 20:58		
Isotope	Mode	Activity	Activity Uncert.	LLD/MDA	% Abund.	Atom. No.	Comments		Mod Id	Mod Date
0 K-40	NT	0.00001368	1.7E-6		87.043%	40				
0 TL-208	NT	3.052E-7	6.81E-8		1.942%	208				
0 PB-212	NT	5.262E-7	1.238E-7		3.348%	212				
0 BI-214	NT	6.478E-7	1.192E-7		4.122%	214				
0 PB-214	NT	5.571E-7	2.092E-7		3.545%	214				
0 BE-7	AP	9.6467E-7			0.000%	7				
0 MN-54	AP	1.1442E-7			0.000%	54				
0 MN-56	AP	1.5297E-7			0.000%	56				
0 CO-57	AP	7.2437E-8			0.000%	57				
0 CO-58	AP	3.255E-8			0.000%	58				
0 CO-60	AP	1.3445E-7			0.000%	60				
0 SB-124	AP	1.1252E-7			0.000%	124				
0 SB-125	FP	2.9902E-7			0.000%	125				
0 CS-134	FP	1.1475E-7			0.000%	134				
0 CS-137	FP	1.0462E-7			0.000%	137				

## Analysis Review

Re-Analyze: No

Lic Rad Mat Present: No

Reviewed: COOPER, TERRY L

Date: 06/11/14 07:12

Hp Eng Rvw Req'd: Yes

Rad Mat Present: Yes

HP Notified Name:

Comments:

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### Review/Approve

#### HP Eng Review

Reviewed: COOPER, TERRY L

Date: 06/11/14 07:16

Comments:

#### Disposition

Disposition: OTHER

Result: Sample contains only natural isotopes

Remarks:

#### Final Approval

Approved: COOPER, TERRY L

Date: 06/11/14 07:16

Comments:

```

*****
*          SONGS                      HEALTH PHYSICS REPORT          6-JUN-2014 20:51  *
*-----*
*          >>>> SAMPLE PARAMETERS <<<<          *
*
* Title      : 140605BD09 SOUTH LAY DOWN # 18          *
*
* ID         : 30389                      Acquisition date: 6-JUN-2014 20:48:21. *
* Start Time: 6-JUN-2014 20:48:00.          *
* Stop Time: 6-JUN-2014 20:48:00.          Counting System : U2GSP          *
* Quantity  : 1.86100E+03 GR              IHPS Sample Number: 142498          *
* Geometry  : B_1L_marinelli_sand_1      Analysis Library : HP_NATURAL          *
*          Operator: DAVID NEEBE          *
*-----*
*          >>>> B #42-TF11663A PARAMETERS <<<<          *
*
* Elapsed Live Time : 0 00:03:00.44      Calibration : 6-JUN-2014 20:09:          *
* Elapsed Real Time : 0 00:03:00.49      Energy Offset : -4.40560E-01          *
* Deadtime          : 0.0%                Energy Slope : 5.00074E-01          *
* Activity Mult Factor: 1.00000E+00      Energy Tolerance: 1.00000          *
* Half Life Ratio   : 8.00000            Sensitivity   : 5.00000          *
*
*****

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Post-NID Peak Search Report

It	Energy	Area	Bkgnd	FWHM	Channel	Left	Pw	%Err	Fit	Nuclides
1	87.25	20	12	1.35	175.36	172	7	36.6	2.94E+00	PB-212 PB-214
1	238.66	51	27	1.00	478.13	473	10	23.5	5.21E-01	PB-212
1	295.33	20	14	1.62	591.46	586	9	37.5	3.28E-01	PB-214
1	352.11	31	6	1.95	704.99	701	8	21.7	6.89E-01	PB-214
1	583.10	20	0	1.58	1166.92	1162	9	22.3	5.90E-01	TL-208
1	609.31	31	0	2.13	1219.33	1215	10	18.4	6.09E-01	BI-214
1	1460.77	76	3	2.28	2922.06	2915	13	12.5	4.05E-01	K-40

Unidentified Energy Lines  
Sample ID : 30389

Page : 3  
Acquisition date : 6-JUN-2014 20:48:21

None

Flags: "T" = Tentatively associated